PHARMACY BENEFITS MANAGEMENT (PBM)

Technical Manual / Security Guide

Version 3.0
October 1998

(Revised September 2003)

Revision History

The table below lists changes made since the initial release of this manual. Use the Change Pages document to update an existing manual or use the entire updated manual.

Note: The Change Pages document may include unedited pages needed for two-sided copying. Only edited pages display the patch number and revision date in the page footer.

Date	Revised Pages	Patch Number	Description
09/03	All	PSU*3*28	Transitional Pharmacy Benefit (TPB) Phase II. Added this Revision History Page. Updated manual to Standards. Updated the Outpatient Pharmacy Statistics Data Field Specifications to include how the Rx Patient Status and Provider Type can be set to NVA.
10/98			Original Released Technical Manual / Security Guide.

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Table of Contents

1. Introduction

Pharmacy Benefits Management (PBM) Version 3.0 is a new enhanced version of Drug and Pharmaceutical Products Management (D&PPM) Version 2.0.

The software extracts medication dispensing data elements from the Outpatient Pharmacy, Inpatient Medications IV and Unit Dose, Automatic Replenishment/Ward Stock (AR/WS), Controlled Substances modules, Procurement information from Drug Accountability, Integrated Funds Control, Accounting and Procurement (IFCAP), and a limited amount of Laboratory data on a monthly basis.

The extracted data is electronically exported via MailMan to the Pharmacy Benefits Management section at Hines Department of Veterans Affairs Medical Center (VAMC). MailMan messages are downloaded and converted to text files on the PBM network. These electronic messages are then passed through a translation process, which pulls text files into a database format and is checked for quality assurance and converts all local drug names to a common drug name and all local dispensing units to a common dispensing unit if possible. After translation, the information is added to the national database.

Through an option placed on the pharmacy supervisor menu the software makes data extraction reports available at local Department of Veterans Affairs Medical Centers (VAMCs) and allows local management to use this data to project local drug usage and identify potential drug accountability problem areas. The PBM section is able to provide information on Local Facility, Veterans Integrated Service Network (VISN), and National product use on monthly, quarterly, and annual intervals.

Pharmacy Benefits Management Version 3.0 extracts additional data elements and modifies current extracts to take advantage of enhancements made to the other Pharmacy modules since the release of the current version (D&PPM V. 2.0). Current message formats and output reports have been modified to reflect the changes.

The Pharmacy Benefits Management V. 3.0 enhancements include the following:

- Breakout of Inpatient Medications IV and Unit Dose, Outpatient Pharmacy, and Controlled Substances modules by dispensing occurrence.

- Breakout of Procurement information by line item.

- Collection of the following:

  - ➢ Prime Vendor Procurement Information (requires implementation of Drug Accountability V. 3.0),
  - ➢ Pharmacy Automated Management Information System (AMIS) data,
  - ➢ Laboratory data,
  - ➢ Patient and Provider information.

- Capture of controlled substance dispensing to patients if electronic Controlled Substances Administration Record (CSAR) is implemented with Controlled Substances V 3.0

- Extraction of data and generation of drug and statistical data summary reports by inpatient division or outpatient site whenever possible.

- Inclusion of National Formulary Indicator and Restriction Information (requires National Drug File (NDF) V. 4.0, which will be released at the end of October 1998).

- Elimination of Consolidated Mail Outpatient Pharmacy (CMOP) (Host) extract.

- Provides a mechanism to monitor the successful completion of the automatic monthly extraction job and to notify users if a problem exists.

- The drug and statistical summary messages for each module will be sent in a readable format.

- MailMan message header will display how many messages were sent for a particular module and the facility name and number from which the data was extracted. The header will easily identify the module from which the data was extracted.

- The confirmation message will include the number of MailMan messages generated for each module.

Related Manuals

Pharmacy Benefits Management V. 3.0 Release Notes
Pharmacy Benefits Management V. 3.0 Installation Guide
Pharmacy Benefits Management V. 3.0 User Manual

2. Orientation

Within this documentation, several notations need to be outlined.

- Menu options will be italicized.
  Example: *Manual Pharmacy Statistics* indicates a menu option.

- Screen prompts will be denoted with quotation marks around them.
  Example: "Select DRUG:" indicates a screen prompt.

- Responses in bold face indicate what the user is to type in.
  Example: Printing a MAR report by ward group **G**, by ward **W** or by patient **P**.

- Text centered between arrows represents a keyboard key that needs to be pressed in order for the system to capture a user response or move the cursor to another field. **<Enter>** indicates that the Enter key (or Return key on some keyboards) must be pressed. **<Tab>** indicates that the Tab key must be pressed.
  Example: Press **<Tab>** to move the cursor to the next field.
             Press **<Enter>** to select the default.

- Text depicted with a black background, displayed in a screen capture, designates reverse video or blinking text on the screen.
  Example:
  ```
    (9)    Admin Times: 01-09-15-20
  *(10)       Provider: INPATIENT-MEDS,PHARMACIST
  ```

- **Note**: Indicates especially important or helpful information.

- Options are locked with a particular security key. The user must hold the particular security key to be able to perform the menu option.

  Example: All options under the *PIck List Menu* option are locked with the PSJU PL key.

- Some of the menu options have several letters that are capitalized. By entering in the letters and pressing <**Enter**>, the user can go directly to that menu option (the letters do not have to be entered as capital letters).

  Example: From the *Unit Dose Medications* option: the user can key **INQ** and proceed directly into the *INQuiries Menu* option.

- **?, ??, ???** One, two, or three question marks can be entered at any of the prompts for on-line help. One question mark elicits a brief statement of what information is appropriate for the prompt. Two question marks provide more help, plus the hidden actions and three question marks will provide more detailed help, including a list of possible answers, if appropriate.

- **^** Caret (up arrow or a circumflex) and pressing **<Enter>** can be used to exit the current option.

3. Implementation and Maintenance

3.1.   Resource Requirements

No unique resource requirements needed.

3.2.   Implementation Requirements

After the KIDS installation has completed, appropriate Pharmacy and Information Resource Management (IRM) personnel need to be added to the PSU PBM mail group. It is recommended that the Laboratory Information Manager (LIM) at each facility be added to the mail group to monitor data extracted from the Laboratory files.

Note: It is recommended that the members of the PSU PBM mail group be limited due to the length and number of MailMan messages generated.

Schedule the *Automatic Pharmacy Statistics* [PSU PBM AUTO] option to be executed on a monthly basis at a time when there will be the least amount of activity on the system. Please schedule the *Automatic Pharmacy Statistics* [PSU PBM AUTO] option to run after the *Update AMIS Stats File* [PSGW UPDATE AMIS STATS] option has been executed.

For the remaining packages from which PBM extracts data, no statistical compilation options need to be executed before data extraction can be accomplished.

The DPPM.MED.VA.GOV domain needs to exist at each facility for transmission.

3.3.   System Configuration

There are no configurable site parameters involved in the implementation of this product.

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4. Files

The PBM software does not have any files associated with it. The software extracts data from the following files:

File	Number
PHARMACY PATIENT IV SUBFILE	55.01
IV ADDITIVES	52.6
IV SOLUTION	52.7
PHARMACY PATIENT UD SUBFILE	55.06
AR/WS STATS FILE	58.5
PRESCRIPTION	52
PROCUREMENT & ACCOUNTING TRANSACTIONS	442
GENERIC INVENTORY	445
UNIT OF ISSUE	420.5
DRUG ACCOUNTABILITY ORDER	58.811
DRUG ACCOUNTABILITY TRANSACTION	58.81
LABORATORY TEST	60
LAB DATA	63
NEW PERSON	200
PROVIDER CLASS	7
SERVICE/SECTION	49
PERSON CLASS	8932.1
RX PATIENT STATUS	53
OUTPATIENT SITE	59
MEDICAL CENTER DIVISION	40.8
VA PRODUCT FILE *[Only if NDF V. 4.0 is installed.]*	50.68

The data extracted from the above mentioned files is executed as a monthly background job and transmitted to the National PBM database at Hines VAMC.

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5. Routines

The following is a list of routines seen for PBM when the new routine set is loaded. The first line of each routine contains a brief description of the general function of the routine. Use the Kernel *First Line Routine Print* [XU FIRST LINE PRINT] option to print a list of just the first line of each PSU* routine.

```
PSUAR0    PSUAR1    PSUAR2    PSUAR3    PSUAR4    PSUAR5    PSUCP
PSUCP1    PSUCP2    PSUCP3    PSUCS0    PSUCS1    PSUCS17   PSUCS2
PSUCS3    PSUCS4    PSUCS5    PSUCSR0   PSUCSR1   PSUDBQUE  PSUENV
PSUIV0    PSUIV1    PSUIV2    PSUIV3    PSUIV4    PSUIV5    PSULR0
PSULR1    PSULR2    PSULR3    PSULR4    PSULR5    PSULR6    PSUOP0
PSUOP1    PSUOP2    PSUOP3    PSUOP4    PSUOP5    PSUOP6    PSUPR0
PSUPR1    PSUPR2    PSUPR3    PSUPR4    PSUPR5    PSUPR6    PSUPRE
PSUTL     PSUTL1    PSUUD0    PSUUD1    PSUUD2    PSUUD3    PSUUD4
PSUUD5

57 routines
```

6. Exported Options

Only three options are exported with PBM version 3.0.

> PSU PBM AUTO *Automatic Pharmacy Statistics*
> PSU PBM MANUAL *Manual Pharmacy Statistics*
> PSU PBM JOB CHECK *Pharmacy Background Job Check*

6.1. Option Name Change

Assign *Manual Pharmacy Statistics* [PSU PBM MANUAL] option to the Pharmacy Supervisors menu.

A change has been made in the option names to reflect the software name change.

- [PSU DPPM AUTO] is now [PSU PBM AUTO] *Automatic Pharmacy Statistics* option
- [PSU DPPM MANUAL] is now [PSU PBM MANUAL] *Manual Pharmacy Statistics* option

6.2. New Option

A new *Pharmacy Background Job Check* [PSU PBM JOB CHECK] option has been created. This option will check to see if the monthly *Automatic Pharmacy Statistics* option ran to completion. A MailMan message will be sent to the local PSU PBM mail group and to the National PBM group (DPPM.MED.VA.GOV domain) at Hines if the report has not completed in 24 hours. Population of the PSU PBM JOB field (#90) in the PHARMACY SYSTEM file (#59.7) with date/time verifies completion. This option is scheduled automatically by the *Automatic Pharmacy Statistics* [PSU PBM AUTO] option and normally does not need user intervention. In case of computer outage, it could be run manually.

7. Archiving and Purging

The data that is collected for the PBM extract is stored in the temporary globals (^XTMP and ^TMP). Data stored in the ^TMP global is deleted once the data is compiled and transmitted. The major portion of the data is stored in the ^XTMP global. A three (3) day purge date is assigned. If a site does not regularly purge data in the ^XTMP global, the data will be only be deleted the next time the *Automatic Pharmacy Statistics* [PSU PBM AUTO] or *Manual Pharmacy Statistics* [PSU PBM MANUAL] options are run.

8. External Relations

The Pharmacy Benefits Management V. 3.0 relies (minimum) on the following external packages. This software is not included in this package and must be installed before this version of PBM is completely functional.

Package	Minimum Version Needed
VA FileMan	21.0
Kernel	8.0
MailMan	7.1
Patient Information Management System (PIMS)	5.3
Outpatient Pharmacy	6.0
Automatic Replenishment/Ward Stock	2.2
Inpatient Medications	4.5
Controlled Substances	2.0
Integrated Funds Distribution, Control Point Activity, Accounting and Procurement (IFCAP)	5.0
Laboratory	5.2
Pharmacy Data Management	1.0
Drug Accountability	2.0
National Drug File	3.18

Pharmacy Benefits Management V. 3.0 extracts data if the following software packages are present.

Package	Version
Outpatient Pharmacy	7.0
Controlled Substances	3.0
Drug Accountability	3.0
National Drug File	4.0

8.1. Integration Agreements (IAs)

Pharmacy Benefits Management (PBM) V. 3.0 has Integration Agreements (IAs) with the packages listed above. For complete information regarding the IAs for PBM V. 3.0, please refer to the *DBA* [DBA] menu option on FORUM and then the *Integration Agreements Menu* [DBA IA ISC] option.

9. Callable Routines

There are no callable routines in the PBM package.

10. Internal Relations

All of the options in this package can be invoked independently.

11. Package-Wide Variables

There are no package-wide variables. Any variables required by the software are created at the start of the option, and eliminated at the conclusion of the option.

12. Technical Assistance

If problems of a technical nature are encountered with this software package, please contact the National **V**IST**A** Support HELP DESK.

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13. MailMan Messages

This section describes how the data is extracted and formatted into the MailMan messages. The MailMan messages will be sent in a double up-arrow (^^) , delimited format. Messages will begin and end a dispensing record with a single up-arrow (^). When the package is extracting the data, a check will be done on each free text field to see if an up-arrow is part of the text. If an up-arrow is discovered in the text, it will be converted to an apostrophe (').

The subject of each message is composed for easier data manipulation and will look like the following:

Example: Subject of MailMan message

```
Subj:  V. 3.0 PBMIV 29810 1/3 499B4 GLRISC [message number], etc., etc.,
```

> V. 3.0   Indicates that this data is from PBM Version 3.0.
> PBM   PBM represents Pharmacy Benefits Management. The next two letters attached represent the package from which the data was extracted.
>   ▪ IV – Inpatient Medications IV Module
>   ▪ UD – Inpatient Medications Unit Dose Module
>   ▪ AR – Automatic Replenishment/Ward Stock Module
>   ▪ OP – Outpatient Pharmacy Module
>   ▪ PR – Procurement Module
>   ▪ CS – Controlled Substances Module
>   ▪ LR – Laboratory Module
> 29810   The date of the reporting period, in this example October 1998.
> 1/3   "1" represents the message number and "3" represents the total number of messages sent from this facility for this particular module. In this example, the header would indicate the first message of a total of 3 messages generated for the IV module.
> 499B4   The station number with suffix (broken down to the outpatient clinic or the inpatient division).
> GLRISC   The name of the facility/outpatient clinic/division.

When the data is being formatted into MailMan messages, additional lines will be added for records exceeding 235 characters. The first character of each additional line will be an asterisk (*). A record will never be broken within a data piece. If a conversion of MailMan messages is being performed on a PC in a language such as FoxPro, ProComm, Keaterm, etc., the asterisk at the beginning of a line will inform the user that his line and the previous line should be concatenated together, thus validating the definitions of the delimited fields explained later in this document.

A confirmation message will be generated whenever the program extracts data to be transmitted to the PBM section (DPPM.MED.VA.GOV domain) for addition to the National database. Only those packages with requested data to be extracted will be listed. If no data is found for a package, the confirmation will list the module with "0" lines extracted and "1" message transmitted.

Example: Confirmation Messages

```
Subj: PBM Stats for AUG 01, 1998 to AUG 31, 1998 from 677A4 LEAVENWORTH
 [#6663578] 02 Oct 98 01:14  9 Lines
From: SUPPORT,ISC  in 'IN' basket.   Page 1
-----------------------------------------------------------------------------

The chart below shows the package(s) whose dispensing statistics were extracted
by the PBM Manual Pharmacy Statistics option.

PACKAGE                       # Line items    # MailMan msgs
-----------------------------------------------------------------------------
IVs                               1675           1
Unit Dose                         5096           1
Prescription                     37816           4
Laboratory Results                6484           1

Select MESSAGE Action: IGNORE (in IN basket)// <Enter>
```

        ** OR **

```
Subj: PBM Stats for AUG 01, 1998 to AUG 31, 1998 from 677 TOPEKA   [#6663577] 02 Oct 98 01:14  11
   Lines
From: SUPPORT,ISC  in 'IN' basket.   Page 1
-----------------------------------------------------------------------------

The chart below shows the package(s) whose dispensing statistics were extracted
by the PBM Manual Pharmacy Statistics option.

PACKAGE                       # Line items    # MailMan msgs
-----------------------------------------------------------------------------
IVs                               1470           1
Unit Dose                         6181           1
AR/WS                              310           1
Prescription                     61954           7
Procurement                       2765           1
Controlled Substances             298           1
Laboratory Results                9509           1


Select MESSAGE Action: IGNORE (in IN basket)// <Enter>
```

A MailMan message will be generated if the extract program did not find any data for a specific module.

Example: Confirmation Message with no data found

```
Subj: V. 3.0 PBMPR 29709  1/1 499XY HINES ISC [#123457076] 22 Oct 97 10:39  1 Line
From: DENVER,DONNA (HINES CIOFO)  in 'IN' basket.   Page 1
-------------------------------------------------------------------------------
No data to report

Select MESSAGE Action: IGNORE (in IN basket)// <Enter>
```

If the *Automatic Pharmacy Statistics* option or *Manual Pharmacy Statistics* option complete successfully, a PBM Timing report is generated. This report displays the start and stop date/time of each extract and a final calculation of how long it took to run.

Note: Extract times will vary depending on the system performance, the time extract is run (early in the morning, on a weekend versus in the middle of the day) and the amount of data extracted.

Example: Timing Report

```
Subj: PBM TIMING for report SEP 01, 1998 to SEP 30, 1998 from 556 NORTH CHICAGO
  [#7888948] 05 Oct 98 02:26  7 Lines
From: HINES,CIOFO  in 'IN' basket.   Page 1
-------------------------------------------------------------------------------

IVs                  OCT 4,1998@23:00:   OCT 4,1998@23:03:   0 hrs,  3 min
Unit Dose            OCT 4,1998@23:03:   OCT 4,1998@23:40:   0 hrs, 37 min
AR/WS                OCT 4,1998@23:40:   OCT 4,1998@23:42:   0 hrs,  2 min
Prescription         OCT 4,1998@23:42:   OCT 5,1998@01:36:   1 hrs, 54 min
Procurement          OCT 5,1998@01:36:   OCT 5,1998@01:56:   0 hrs, 20 min
Controlled Substance OCT 5,1998@01:56:   OCT 5,1998@02:16:   0 hrs, 20 min
Laboratory Results   OCT 5,1998@02:16:   OCT 5,1998@02:26:   0 hrs, 10 min


Select MESSAGE Action: IGNORE (in IN basket)//
```

The Automatic Pharmacy Statistics option is used to gather the statistical information for a selected date range from the following files:

1.	Pharmacy Patient IV Subfile	File # 55.01
2.	Pharmacy Patient IV Subfile	File # 55.06
3.	AR/WS Stats File	File # 58.5
4.	Prescription	File # 52
5.	Procurement & Accounting Transaction	File # 442, #58.811, # 58.81
6.	Controlled Substances	File # 58.81
7.	Laboratory	File # 60, # 63

This option is executed as a background job each month. The statistics are gathered and then sent to the National PBM section via MailMan messages.

When scheduling the monthly frequency for this option to be executed, please remember to schedule it to run after the PSGW UPDATE AMIS STATS option has been executed for the previous month.

ROUTINE: AUTO^PSUCP   SCHEDULING RECOMMENDED: YES
UPPERCASE MENU TEXT: AUTOMATIC PHARMACY STATISTICS

13.1. Format for IV Statistics

The chart below explains the format for the IV statistics as they appear in the MailMan message in a double up-arrow (^^) delimited format. The following is an example of the first (parent) data record sent for an IV order. Each IV additive and solution within an order will be sent as a separate data record.

Title	Up-arrow(^) Piece Number
Sender (facility number + suffix)	2
Start Date of Order	4
IV Order #	6
Order Indicator	8
IV Type	10
Outpatient IV	12
Patient SSN	14
Dosing Instructions (schedule or infusion rate)	16
Provider ID (SSN)	18
Provider Class	20
Provider Service/section	22
Provider Specialty	24
Provider Subspecialty	26
Dispensing Occurrences of IV order (# of IV bags)	28
VA Product Name	30
VA Drug Class	32
NDC	34
Formulary/Non-Formulary Indicator	36
National Formulary Indicator	38
National Formulary Restriction	40
IV Additive or Solution Print Name	42
IV Additive or Solution Indicator	44
Generic Drug Name	46
Drug Unit (gm, mg, ml etc)	48
Drug Cost per Unit	50
Total Units Dispensed	52

Pieces 28-52 will contain IV additive or solution information. Pieces 2-28 will repeat with each distinct IV additive/solution with the exception of the following:

- Order Indicator
- IV Type
- Outpatient IV
- Dispensing Occurrences

The four data elements above will only be sent with the parent record.

Format for any subsequent records (IV additive(s) solution (s) #2, #3, etc.) would be as follows.

Title	Up-arrow(^) Piece Number
Sender (facility number + suffix)	2
Start Date of Order	4
IV Order #	6
NO DATA	8
NO DATA	10
NO DATA	12
Patient SSN	14
Dosing Instructions (schedule or infusion rate)	16
Provider ID (SSN)	18
Provider Class	20
Provider Service/section	22
Provider Specialty	24
Provider Subspecialty	26
NO DATA	28
VA Product Name	30
VA Drug Class	32
NDC	34
Formulary/Non-Formulary Indicator	36
National Formulary Indicator	38
National Formulary Restriction	40
IV Additive or Solution Print Name	42
IV Additive or Solution Indicator	44
Generic Drug Name	46
Drug Unit (gm, mg, ml etc)	48
Drug Cost per Unit	50
Total Units Dispensed	52

13.1.1. IV Statistics Data Field Specifications

DATA	FILE #	FIELD #	DESCRIPTION
Sender	Medical Center Division #40.8	#1 Facility Number	
Start Date of Order	Pharmacy Patient – IV subfile #55.01	#.02 Start Date/time	
IV Order #	Pharmacy Patient – IV subfile #55.01	#.01 Order Number	
Order Indicator			"P" is sent for the Parent order, because multiple records will be sent for each IV additive and solution.
IV Type	Pharmacy Patient – IV subfile #55.01	#.04 Type	"A" for Admixture; "P" for Piggyback; "H" for Hyperal; "S" for Syringe; "C" for Chemotherapy
Outpatient IV	Pharmacy Patient – IV subfile #55.01	#104 Ward	If value is .5, "Y" is sent for Yes ; otherwise "N" for No
Patient SSN	Patient File #2	#.09 Social Security Number	
Dosing Instructions	Pharmacy Patient – IV subfile #55.01	#.09 Schedule OR #.08 Infusion rate	Which data field is extracted depends on IV type.
Provider ID (SSN)	New Person File #200	#9 SSN	
Provider Class	Provider Class File #7	#1 Abbrev Title	
Provider Service/Section	Service/Section File #49	#.01 Name	Only specific service/sections are extracted
Provider Specialty	Person Class File #8932.1	#1 Specialty (HCFA)	
Provider Subspecialty	Person Class File #8932.1	#2 Subspecialty (HCFA)	
Dispensing Occurrences	Pharmacy Patient IV subfile- Label Tracking #55.1111	#2 Action #6 Daily usage	If a dispensing record has an action of "1" for dispensed and has Daily usage set to Yes, the # of dispensing occurrences (Labels) are counted.
VA Product Name	Drug File #50	#21 VA Product Name	
VA Drug Class	Drug File #50	#2 VA Classification	
NDC	Drug File #50	#31 NDC	
Formulary/Non-Formulary Indicator	Drug File #50	#51 Non formulary	If field set to "1" the program sends "N/F"
National Formulary Indicator	VA Product File #50.68	#17 National Formulary Indicator	Send "1" for Yes; "0" for No; otherwise null if no data found
National Formulary Restriction	VA Product File #50.68	#50.6818,.01 National Formulary Restriction	If data is found send "1" ; otherwise "0"
IV Additive or Solution Print Name	IV Additive File # 52.6 IV Solution File #52.7	#.01 Print Name #.01 Print Name	
IV Additive or Solution Indicator			If the record contains an additive program sends "A"; If solution sends "S"
Generic Drug Name	Drug File #50	#.01 Generic name	
Drug Unit	IV Additive File #52.6 (for additive)	#2 Drug Unit	gm, mg, etc ML (is always sent for a solution)
Average Cost Per Unit	IV Additive #52.6 IV Solution #52.7	#7 Average drug cost per unit #7 Average drug cost	
Total Units Dispensed	Pharmacy Patient – IV subfile IV additive multiple #55.02 Or IV Solution multiple #55.11	#.02 Strength (truncate units) #1 Volume (truncate "ML")	Dispensing Occurrences * Strength or Volume

13.1.2. IV Statistics MailMan Messages

A MailMan message is constructed with the formatted data as in the following example.

Example: IV Statistics MailMan Message

```
Subj: V. 3.0 PBMIV 29808 1/1 556 NORTH CHICAGO  [#7568452] 16 Sep 98 23:04  1046 Lines
From: DES MOINES, DIANE in 'IN' basket.   Page 1
-------------------------------------------------------------------------------

^556^^2980727^^50^^P^^A^^N^^333333333^^T@1^^050869544^^MD^^MED^^^^^^2^^HEPARIN
NA 10000UNT/ML INJ^^BL100^^0641-0410-25^^^^^^^^HEPARIN SODIUM^^A^^HEPARIN 10,00
0U/ML INJ 1ML^^UNITS^^.00053^^1000^
^556^^2980727^^50^^^^^^^^444444444^^T@1^^050869544^^MD^^MED^^^^^^^^SODIUM CHLOR
IDE 0.9% INJ^^TN102^^0264-7800-20^^^^^^^^SODIUM CHLORIDE 0.9%^^S^^SODIUM CHLORI
DE 0.9% INJ  250ML^^ML^^.00392^^500^
^556^^2980727^^15^^P^^P^^N^^555555555^^Q8H^^320942705^^MD^^MED^^^^^^10^^PIPERAC
ILLIN NA 3GM/TAZOBACTAM NA 0.375GM/VIL INJ^^AM054^^0206-8454-55^^^^^^^^PIPERACI
LLIN/TAZOBACTUM^^A^^PIPERACILLIN/TAZOBACTUM 3/0.375GM INJ^^GM^^2.824^^33.75^
^556^^2980727^^15^^^^^^^^222222222^^Q8H^^320942705^^MD^^MED^^^^^^^^SODIUM CHLOR
IDE 0.9% INJ^^TN102^^0264-1800-32^^^^^^^^SODIUM CHLORIDE 0.9%^^S^^SODIUM CHLORI
DE 0.9% 50ML(S8004-5264)^^ML^^.0074^^1000^
^556^^2980729^^1^^P^^P^^N^^777777777^^BID^^357905007^^MD^^^^^^^^2^^FAMOTIDINE 1
0MG/ML INJ^^GA301^^0006-3539-04^^^^^^^^FAMOTIDINE^^A^^FAMOTIDINE 10MG/ML INJ 4M
L^^MG^^.086^^40^
```

13.1.3. Extraction Criteria for IV Statistics

Active IV order records with dispensing activity for the time period the extract is run will be extracted.

Example: IV Statistical Data Summary Message

```
Subj: V. 3.0 PBMIV 29808 556 NORTH CHICAGO  [#7568453] 16 Sep 98 23:04  15 Lines
From: DES MOINES, DIANE in 'IN' basket.   Page 1
----------------------------------------------------------------------

IV Statistical Data Summary for AUG 1,1998 through AUG 31,1998

Total IV orders:  452               Total Patients:   97
Total IV bags dispensed: 2215       Total Cost: $12385.52

Breakdown of IV orders:

Total Outpatient IV orders: 21      Total Outpatient IV bags dispensed: 36
Total Outpatient Cost: 247.89

Total Piggybacks:  1368             Avg. cost per Piggyback: $7.21
Total Hyperals: 45                  Avg. cost per Hyperal: $7.53
Total Admixtures: 798               Avg. cost per Admixture: $2.69
Total Chemotherapy: 0               Avg. cost per Chemotherapy: $0.00
Total Syringes: 4                   Avg. cost per Syringe: $9.20

Select MESSAGE Action: IGNORE (in IN basket)// <Enter>
```

Outpatient IV costs and counts are included in the IV type (Hyperal, Syringe, etc.) breakdown.

Example: IV Statistical Data Message

```
Subj: V. 3.0 PBMIV 29808 556 NORTH CHICAGO  [#7568454] 16 Sep 98 23:04  79 Lines
From: DES MOINES, DIANE in 'IN' basket.   Page 1
----------------------------------------------------------------------------

IV Statistical Data for AUG 1,1998 through AUG 31,1998


                                     Drug       Total       Number
Drug Name                            Strength   Dispensed   of bags
----------------------------------------------------------------------------
ALATROFLOXACIN 300MG 60ML INJ *      MG            1200.00    4
AMIKACIN 1GM INJ 4ML                 MG            1000.00    1
AMINO ACID 10% 1000ML INJ(FREAMINE)  ML           19700.00   45
AMPICILLIN  1GM INJ                  GM              70.00    27
AMPICILLIN/SULBACTAM 3GM INJ         GM             390.00   186
CALCIUM GLUCONATE 10% INJ   10ML     MEQ             40.00    8
CEFAZOLIN  1GM INJ                   GM              38.00    37
CEFTAZIDIME 6GM INJ                  GM             190.50   140
CEFTRIAXONE 1GM INJ                  GM              52.00    29
CEFUROXIME 1.5GM INJ                 MG           35259.00   45
CIPROFLOXACIN 10MG/ML 40ML VIAL      MG           16000.00   56
CLINDAMYCIN 900MG/6ML INJ            MG           51600.00   94
DEXTROSE  5% IN WATER  1000ML        ML           11000.00   11
DEXTROSE  5% IN WATER  250ML         ML           60610.00  249
DEXTROSE  5% IN WATER  500ML         ML            4350.00   11
DEXTROSE  5% W 0.45% NACL INJ 1000ML ML           98000.00   98
DEXTROSE  5% W 0.9% NACL INJ 1000ML  ML          111000.00  111
.
.
```
           [A portion of this statistical data message has been removed to save space.]
```
.
.
ORIGINAL IV DILUENT                  ML            1502.10   18
PENICILLIN G POTASSIUM 20MU INJ      UNITS     96000000.00   24
PENTAMIDINE 300MG INJ                MG             300.00    1
PHYTONADIONE 10MG INJ 1ML            MG              70.00    7
PIPERACILLIN/TAZOBACTUM 3/0.375GM INJ GM           644.63   202
POTASSIUM CHLORIDE 2MEQ/ML INJ 10ML  MEQ           6505.00  283
SELENIUM 40MCG/ML INJ 10ML           MCG            900.00   45
SODIUM ACETATE 2MEQ/ML INJ 20ML      MEQ            682.00   33
SODIUM CHLORIDE 0.45% INJ 1000ML     ML           28000.00   28
SODIUM CHLORIDE 0.9% 50ML(S8004-5264) ML          53970.00  540
SODIUM CHLORIDE 0.9% 50ML(S8004-5384) ML          15650.00  304
SODIUM CHLORIDE 0.9% INJ  250ML      ML           37000.00  156
SODIUM CHLORIDE 0.9% INJ  500ML      ML            7700.00   16
SODIUM CHLORIDE 0.9% INJ 1000ML      ML          148000.00  148
SODIUM CHLORIDE 2.5MEQ/ML INJ 40ML   MEQ           670.00    33
SODIUM PHOSPHATE 3MM/ML INJ 15ML     MM              70.00   14
THIAMINE 100MG/ML INJ 1ML            MG           10700.00  107
TRACE ELEMENT (MTE-4) INJ 10ML       ML             139.00   45
VANCOMYCIN 1GM VI                    MG           98200.00   99
WATER,STERILE 1000ML                 ML           16676.00   43
----------------------------------------------------------------------------
Totals:                                        100038979.73 4949

* Non Formulary
# Not on National Formulary
```

13.2. Unit Dose Statistics Format

The chart below explains the format for the Unit Dose statistics as they appear in the MailMan message in a double up-arrow (^^) delimited format. The following is an example of a data record sent. Each dispense drug within an order will be sent as a separate data record (pieces 22-45). Pieces 2-20 will repeat for each unit dose order containing more than one dispense drug.

Title	Up-arrow(^) Piece number
Sender (by outpatient or inpatient division)	2
Start Date of Order	4
Unit Dose Order #	6
Patient SSN	8
Schedule	10
Provider ID (SSN)	12
Provider Class	14
Provider Service/section	16
Provider Specialty	18
Provider Subspecialty	20
VA Product Name	22
VA Drug Class	24
Generic Drug Name (dispense drug)	26
NDC	28
Formulary/Non Formulary Indicator	30
National Formulary Indicator	32
National Formulary Restriction	34
Units per Dose	36
Dispense Unit	38
Price per Dispense Unit	40
Dispensed Amount	42

13.2.1. Unit Dose Statistics Data Field Specifications

DATA	FILE #	FIELD #	DESCRIPTION
Sender	Medical Center Division #40.8	#1 Facility Number	
Start Date of Order	Pharmacy Patient –Unit Dose Subfile #55.06	#10 Start date/time	
Unit Dose Order #	Pharmacy Patient –Unit Dose Subfile #55.06	#.01 Order Number	
Patient SSN	Patient File #2	#.09 Social Security Number	
Schedule	Pharmacy Patient –Unit Dose Subfile #55.06	#26 Schedule	
Provider ID (SSN)	New Person File #200	#9 SSN	
Provider Class	Provider Class File #7	#1 Abbrev Title	
Provider Service/Section	Service/Section File #49	#.01 Name	Only specific service/sections are extracted
Provider Specialty	Person Class File #8932.1	#1 Specialty (HCFA)	
Provider Subspecialty	Person Class File #8932.1	#2 Subspecialty (HCFA)	
VA Product Name	Drug File #50	#21 VA Product Name	
VA Drug Class	Drug File #50	#2 VA Classification	
Generic Drug Name	Drug File #50	#.01 Generic name	
NDC	Drug File #50	#31 NDC	
Formulary/Non-Formulary Indicator	Drug File #50	#51 Non formulary	If field set to "1" the program sends "N/F"
National Formulary Indicator	VA Product File #50.68	#17 National Formulary Indicator	Send "1" for Yes; "0" for No; otherwise null if no data found
National Formulary Restriction	VA Product File #50.68	#50.6818,.01 National Formulary Restriction	If data is found send "1" ; otherwise "0"
Units Per Dose	Pharmacy Patient – Unit Dose subfile- Dispense drug multiple #55.07	#.02 Units Per Dose	
Dispense Unit	Drug File #50	#14.5 Dispense Unit	
Price Per Dispense Unit	Drug File #50	#16 Price Per Dispense Unit	
Dispensed Amount	Pharmacy Patient Unit Dose subfile – Dispense Log multiple #55.0611	#.03 Amount #.05 How	Formula = Units dispensed (pick list, pre exchange, extra units) - Returns

13.2.2. Unit Dose Statistics MailMan Messages

A MailMan message is constructed with the formatted data as in the following example.

Example: Unit Dose Statistics MailMan Message

```
Subj: V. 3.0 PBMUD 29801 1/1 556 NORTH CHICAGO  [#6234226] 07 Sep 98 01:51  4556 Lines
From: HINES,CIOFO  in 'IN' basket.   Page 1
-------------------------------------------------------------------------------

^556^^2971104^^319732^^333333333^^QAM^^065529455^^^^MED^^^^^^NIFEDIPINE (ADA
LAT CC) 30MG SA TAB^^CV200^^NIFEDIPINE (ADALAT CC) 30MG SA TAB^^0026-8841-51^^^
^^^^^1^^TAB^^0.400^^32^
^556^^2971105^^318719^^444444444^^BID^^575709797^^PHYSICIAN ASSISTANT^^MED^^Med
ical^^^^ASCORBIC ACID 500MG TAB^^VT400^^ASCORBIC ACID 500MG UD TAB^^0904-0523-6
1^^^^^^^^^1^^TAB^^0.014^^64^
^556^^2971105^^318720^^111111111^^QD^^575709797^^PHYSICIAN ASSISTANT^^MED^^Medi
cal^^^^ASPIRIN 81MG TAB,CHEWABLE^^CN103^^ASPIRIN 81MG CHEW TAB^^0364-0023-36^^^
^^^^^1^^TAB^^0.017^^32^
^556^^2971105^^318721^^888888888^^QD^^575709797^^PHYSICIAN ASSISTANT^^MED^^Medi
cal^^^^DONEPEZIL HCL 10MG TAB^^CN900^^DONEPEZIL 10MG TAB^^62856-0246-30^^^^^^^^
1^^TAB^^2.393^^32^
^556^^2971106^^318971^^666666666^^QD^^331402089^^^^^^Psychiatry and Neurolog
y^^^^LISINOPRIL 20MG TAB^^CV800^^LISINOPRIL 20MG TAB^^0006-0207-58^^^^^^^^1^^TA
B^^0.154^^35^
```

13.2.3. Extraction Criteria for Unit Dose Statistics

Active Unit dose order records with dispensing activity for the time period the extract is run will be extracted.

Example: Unit Dose Statistical Data Summary Message

```
Subj: V. 3.0 PBMUD 29801 1/1 556 NORTH CHICAGO  [#6234227] 07 Sep 98 01:51  5 Lines
From: HINES,CIOFO  in 'IN' basket.   Page 1
-------------------------------------------------------------------------

Unit Dose Statistical Data Summary for JAN 01, 1998 through JAN 31, 1998

Total UD Orders: 7989                     Total Patients: 539
Total Doses Dispensed: 107673             Total Cost: $35742.21
Average Cost Per Dose Dispensed: $0.33


Select MESSAGE Action: IGNORE (in IN basket)// <Enter>
```

Example: Unit Dose Statistical Data Message

```
Subj: V. 3.0 PBMUD 29801 1/1 556 NORTH CHICAGO  [#6234228] 07 Sep 98 01:51  501 Lines
From: HINES,CIOFO  in 'IN' basket.   Page 1
---------------------------------------------------------------------------

Unit Dose Statistical Data for JAN 01, 1998 through JAN 31, 1998


                                          Total         Total
                                          Dispensed     Dispensed
Drug Name                                 Units         Cost
---------------------------------------------------------------------------
ABSORBASE (EUCERIN) 454GM                    15.00         31.65
ACARBOSE 25MG TAB (1/2 OF 50MG)              18.00          2.56
ACETAMIN 500MG W HYDROCODONE 5MG TAB          6.00          0.19
ACETAMINOPHEN 325MG SUPP                      4.00          0.48
ACETAMINOPHEN 325MG UD TAB                 1324.00          7.94
ACETAMINOPHEN 500MG UD TAB                  601.00          1.20
ACETAZOLAMIDE 125MG (1/2 of 250mg)           15.00          0.44
ACETAZOLAMIDE 250MG UD TAB                   65.00          1.89
ACETYLCYSTEINE 20% SOL 30ML                  13.00         58.41
ACYCLOVIR 200MG CAP                           1.00          0.26
ACYCLOVIR 5% OINT 15GM                        1.00         21.25
ADVANTAGE ACCU-CHEK GLUCOSE TEST STRIP        1.00          0.42
ALBUTEROL 2MG TAB                            70.00          0.77
ALBUTEROL 90MCG 200D ORAL INHL               59.00        172.28
ALENDRONATE 10MG TAB *                        7.00          7.32
ALLOPURINOL 100MG TAB                       139.00          2.50
ALLOPURINOL 300MG UD TAB                     81.00          3.73
ALLOPURINOL 50MG (1/2 OF 100MG) UD           35.00          0.32
ALOH/MGOH/SIMTH XTRA STRENGTH LIQ             2.00          0.89
AMANTADINE 100MG UD CAP                     311.00         19.28
AMIODARONE 100MG (1/2 OF 200MG) UD           30.00         23.76
AMIODARONE HCL 200MG TAB                    205.00        324.93
AMITRIPTYLINE  10MG UD TAB                   72.00          0.29
AMITRIPTYLINE  25MG UD TAB                   64.00          0.32
AMITRIPTYLINE  50MG UD TAB                  249.00          1.99
AMITRIPTYLINE  75MG UD TAB                   65.00          1.24
ZINC OXIDE 20% OINT 30GM                      1.00          0.50
---------------------------------------------------------------------------
Totals:                                  107673.00      35742.21

* Non-Formulary
# Not on National Formulary
```

13.3. Outpatient Pharmacy Statistics Format

The chart below explains the format for the Outpatient Pharmacy statistics as they appear in the MailMan message in a double up-arrow (^^) delimited format. The following is an example of a data record sent.

Title	Up-arrow(^) Piece number
Sender (facility number + suffix)	2
Fill/Refill/Partial Date of Rx	4
Release Date	6
Prescription #	8
Prescription Patient Status	10
Patient (SSN)	12
VA Product Name	14
VA Drug Class	16
Generic Drug Name	18
NDC	20
Formulary/Non-Formulary Indicator	22
National Formulary Indicator	24
National Formulary Restriction	26
DEA Special Handling Field	28
New/Refill/Partial Indicator	30
CMOP Indicator(Y/N)	32
Mail/Window Indicator	34
Provider ID (SSN)	36
Provider Type (Fee/Staff)	38
Provider Class	40
Provider Service/section	42
Provider Specialty	44
Provider Subspecialty	46
Dosing Instructions (SIG)	48
Medication Counseling (Y/N)	50
Dispense Unit	52
Price per Dispense Unit	54
Days Supply	56
Total Qty Dispensed	58

13.3.1.   Outpatient Pharmacy Statistics Data Field Specifications

DATA	FILE #	FIELD #	DESCRIPTION
Sender	Outpatient Site File #59	#.06 Facility number	
Fill date Refill date Partial date	Prescription File #52 Refill subfile #52.1 Partial subfile #52.2	#22 Fill date #.01 Refill date #.01 Partial date	
Release date	Prescription File #52 Refill subfile #52.1 Partial subfile #52.2	#31 Released Date/time #17 Released date/time #8 Released date/time	
Prescription #	Prescription File #52	# .01 Rx #	
Prescription Patient status	Rx Patient Status file #53	# 6 SC/AA/OTHER/ INPATIENT/NVA	If the TPB flag in the PRESCRIPTION file (#52) is set, send "NVA". Otherwise, if "1" send "SC"; if "2" send "AA"; if "3" send "OT"; if "4" send "IP"
Patient SSN	Patient File #2	#.09 Social Security Number	
VA Product Name	Drug File #50	#21 VA Product Name	
VA Drug Class	Drug File #50	#2 VA Classification	
Generic Drug Name	Drug File #50	#.01 Generic name	

NDC	Prescription File #52
	   CMOP Event #52.01
	    Refill Subfile #52.1
	    Partial Subfile #52.2
	
	Drug File #50
		See description	1) If CMOP Rx data – CMOP Event Multiple ,field #4 NDC
			2) If data not found or not CMOP Rx :
			#27 NDC (new)
			Refill subfile #11 NDC
			Partial subfile #1 NDC
			3) If data not found
			Drug file #31 NDC
			4) If data not found- program sends "No NDC"

Formulary/Non-Formulary Indicator	Drug File #50	#51 Non formulary	If field set to "1" the program sends "N/F"
National Formulary Indicator	VA Product File #50.68	#17 National Formulary Indicator	Send "1" for Yes; "0" for No; otherwise null if no data found
National Formulary Restriction	VA Product File #50.68	#50.6818,.01 National Formulary Restriction	If data is found send "1" ; otherwise "0"
DEA Special Handling Field	Drug File #50	# 3 DEA, Special hdlg	
New/Refill/Partial Indicator			If Rx is new/original send "N" ; refill Rx send "R" ; partial Rx send "P".
CMOP Indicator			Send "Y" for Yes and "N" for No. Conditions apply. See user /technical manual for details
Mail/Window Indicator	Prescription File #52 Refill subfile #52.1 Partial subfile #52.2	#11 Mail/Window #2 Mail/Window #.02 Mail/Window	Send "M" for mail; "W" for window.
Provider ID (SSN)	New Person File #200	#9 SSN	
Provider Type	New Person File #200	#53.6 Provider type	If the TPB flag in the PRESCRIPTION file (#52) is set, send "NVA". Otherwise check Provider Type and if "4" send "F" for Fee; otherwise send "S" for Staff
Provider Class	Provider Class File #7	#1 Abbrev Title	
Provider Service/Section	Service/Section File #49	#.01 Name	Only specific service/sections are extracted
Provider Specialty	Person Class File #8932.1	#1 Specialty (HCFA)	

DATA (CONT'D)	FILE #	FIELD #	DESCRIPTION
Provider Subspecialty	Person Class File #8932.1	#2 Subspecialty (HCFA)	
Dosing Instructions (SIG)	Prescription File #52	#10 SIG If entered via CPRS: #52.04, .01 SIG	Abbreviated version is extracted when possible
Medication Counseling	Prescription File #52	#41 Was the Patient Counseled	Send "Y" for Yes or "N" for No **Available for V7 of Outpatient Pharmacy ONLY
Dispense Unit	Drug #50	#14 Dispense Unit	
Price Per Dispense Unit	Prescription File #52 Refill subfile #52.1 Partial subfile #52.2	#17 Unit Price of Drug (New Rx) Refill subfile #1.2 Current Unit Price of Drug Partial subfile #.042 Current Unit Price of Drug	
Days Supply	Prescription File #52 Refill subfile #52.1 Partial subfile #52.2	#8 Days supply (New Rx) Refill subfile #1.1 Days Supply Partial subfile #.041 Days Supply	
Total Qty Dispensed	Prescription File #52 Refill subfile #52.1 Partial subfile #52.2	#7 Qty (New Rx) Refill subfile #1 Qty Partial subfile # .04 Qty	

13.3.2. Outpatient Pharmacy Statistics MailMan Messages

A MailMan message is constructed with the formatted data as in the following example.

Example: OP Statistics MailMan Message

```
Subj: V. 3.0 PBMOP 29801 1/3 556 NORTH CHICAGO  [#6234232] 07 Sep 98 03:19  10000 Lines
From: HINES,CIOFO  in 'IN' basket.   Page 1
-------------------------------------------------------------------------------

^556^^2971203^^2980120^^1263166^^OT^^333333333^^POUCH,OSTOMY,ACTIVE LIFE C#0227
-66^^XA402^^SQ22766 DRAINABLE POUCH 1-1/4IN 10/BX^^0003-0227-66^^^^^^^^9S^^P^^N
^^W^^322480687^^S^^^^^^
*^^^^UD^^N^^BX^^16.74^^30^^2^
^556^^2971205^^2971205^^1308841^^OT^^999999999^^FERROUS SO4 325MG TAB^^TN401^^F
ERROUS SULFATE 325MG TAB^^0005-3277-34^^^^^^^^9^^N^^N^^W^^322942928^^S^^MD^^MED
^^
*^^^^T1 TAB TID^^N^^TAB^^.004^^25^^75^
^556^^2971205^^2971205^^1309174^^IP^^909099090^^VALPROIC ACID 250MG CAP^^CN400^
^VALPROIC ACID 250MG CAP^^0182-1779-01^^^^^^^^^^N^^N^^W^^360463116^^S^^^^^^
*Psychiatry and Neurology^^^^T1 CAP PO BID WM^^N^^CAP^^.071^^7^^14^
^556^^2971205^^2971205^^1309203^^IP^^121121212^^IBUPROFEN 800MG TAB^^MS102^^IBU
PROFEN 800MG TAB^^0182-1297-05^^^^^^^^^^N^^N^^W^^360463116^^S^^^^^^
*Psychiatry and Neurology^^^^T1 TAB BID^^N^^TAB^^.024^^7^^14^
^556^^2971205^^2971205^^1309204^^IP^^444444444^^METHOCARBAMOL 500MG TAB^^MS200^
^METHOCARBAMOL 500MG TAB^^0275-0005-05^^^^^^^^^^N^^N^^W^^360463116^^S^^^^^^
*Psychiatry and Neurology^^^^T1 & 1/2 TAB PO BID PRN^^N^^TAB^^.021^^7^^18^
```

13.3.3.   Extraction Criteria for Outpatient Pharmacy Statistics

Prescription data is transmitted by Rx record (new, refill, partial). The following lists some criteria the extraction program uses to determine which Rx records are transmitted.

- Prescription data is extracted using the fill/refill date.
- CMOP count is calculated using the following guidelines:
  - Rx fill/refill date and release date falls within reporting range and it is a CMOP Rx, the record will be counted, extracted and transmitted.
  - Rx fill/refill date falls within reporting month, Rx has been sent to CMOP, but release date does not fall within reporting date range, the record will not be counted, extracted, or transmitted.
  - Rx fill/refill date does not fall within reporting date range, Rx has been sent to CMOP, release date falls within reporting date range, the record will be counted, extracted and transmitted.
- Non-CMOP counts use fill/refill date and do not look at the release date.

Example: OP Statistical Data Summary Message

```
Subj: V. 3.0 PBMOP 29801 556 NORTH CHICAGO  [#6234235] 07 Sep 98 03:20  10 Lines
From: HINES,CIOFO  in 'IN' basket.   Page 1
--------------------------------------------------------------------------

Outpatient Statistical Data Summary for JAN 1,1998 through JAN 31,1998

                                          Consolidated Mail Out Pharmacy (CMOP)

                            Total                                 Total
Partials    Fills    Refills    Cost          Fills    Refills      Cost
--------------------------------------------------------------------------
   31       9729       1384    241166.53          0      3828      98320.05

Avg. Cost/Fill = $21.64                     Avg. Cost/Fill = $25.68


Select MESSAGE Action: IGNORE (in IN basket)// <Enter>
```

Total cost includes partial, new, and refill prescription costs. The numbers of fills used to calculate the average cost/fill does not include the partial Rx count.

Example: OP Statistical Data Message

```
Subj: V. 3.0 PBMOP 29801 556 NORTH CHICAGO  [#6234236] 07 Sep 98 03:20  1141 Lines
From: HINES,CIOFO  in 'IN' basket.   Page 1
-----------------------------------------------------------------------------

Outpatient Statistical Data for JAN 1,1998 through JAN 31,1998
                                                          Page: 1


                                                 Total      Total Qty
Drug Name                      Partials   Fills  Refills    Cost     Dispensed
-----------------------------------------------------------------------------
ABSORBASE TOP OINT                    0      89       1     322.41     64482.00
ACARBOSE 100MG TAB                    5       2       0     197.64       540.00
ACARBOSE 50MG TAB                     6       8       5     664.56      2340.00
ACETAMIN 300MG W CODEINE 30MG TAB     0      63       0     196.83      6151.00
ACETAMIN 500MG W HYDROCODONE 5MG TAB  0      78       0     242.38      7819.00
ACETAMIN 500MG W OXYCODONE 5MG CAP    9      14       0     388.00      1730.00
ACETAMIN 650MG W PROPOXY N 100MG TAB  0      67      68     571.87     13246.00
ACETAMINOPHEN 325MG SUPP              5       1       0       1.45        12.00
ACETAMINOPHEN 325MG TAB               6     115      11     122.20     20367.00
ACETAMINOPHEN 500MG TAB               0     174      12     229.05     38175.00
ACETIC ACID 2% W HC 1% OTIC SOL 10ML  0       3       0      13.80         6.00
ACYCLOVIR 200MG CAP                   0      10       2     184.67      1030.00
 ----------------------------------------------------------------------------
Totals:                              31    9729    1384  241166.53

* Non-Formulary
# Not on National Formulary

                     Consolidated Mail Out Pharmacy (CMOP)

                                                 Total      Total Qty
Drug Name                      Partials   Fills  Refills    Cost     Dispensed
-----------------------------------------------------------------------------
ABSORBASE TOP OINT                    0      89       1     322.41     64482.00
ACARBOSE 100MG TAB                    5       2       0     197.64       540.00
ACARBOSE 50MG TAB                     6       8       5     664.56      2340.00
ACETAMIN 300MG W CODEINE 30MG TAB     0      63       0     196.83      6151.00
ACETAMIN 500MG W HYDROCODONE 5MG TAB  0      78       0     242.38      7819.00
ACETAMIN 500MG W OXYCODONE 5MG CAP    9      14       0     388.00      1730.00
ACETAMIN 650MG W PROPOXY N 100MG TAB  0      67      68     571.87     13246.00
ACETAMINOPHEN 325MG SUPP              5       1       0       1.45        12.00
ACETAMINOPHEN 325MG TAB               6     115      11     122.20     20367.00
ACETAMINOPHEN 500MG TAB               0     174      12     229.05     38175.00
ACETIC ACID 2% W HC 1% OTIC SOL 10ML  0       3       0      13.80         6.00
ACYCLOVIR 200MG CAP                   0      10       2     184.67      1030.00
 ----------------------------------------------------------------------------
Totals:                              31    9729    1384  241166.53

* Non-Formulary
# Not on National Formulary
```

13.4. AR/WS Statistics Format

The chart below explains the format for the AR/WS statistics as they appear in the MailMan message in a double up-arrow (^^) delimited format. The following is an example of a data record sent.

Title	Up-arrow(^) Piece number
Sender (by outpatient site/inpatient division)	2
Break down by outpatient site/inpatient division not possible indicator	4
Month & Year of Report	6
VA Product Number	8
VA Drug Class	10
NDC	12
Generic Drug Name	14
Formulary/Non-Formulary Indicator	16
National Formulary Indicator	18
National Formulary Restriction	20
Dispense Unit	22
Cost per Dispense Unit	24
AMIS Category	26
AMIS Conversion Number	28
Total Amount Dispensed	30

13.4.1.   AR/WS Statistics Data Field Specifications

DATA	FILE #	FIELD #	DESCRIPTION
Sender	Medical Center Division #40.8	#1 Facility Number	
Breakdown by Outpatient Division or Inpatient Site not possible indicator			If records could not be broken down to an Outpatient Site or Inpatient division an "H" is sent.
Month & Year of Report			Sent in following format: "29808" represents 8/98
VA Product Name	Drug File #50	# 21 VA Product Name	
VA Drug Class	Drug File #50	# 2 VA Classification	
NDC	Drug File #50	#31 NDC	
Generic Drug Name	Drug File #50	#.01 Generic name	
Formulary/Non-Formulary Indicator	Drug File #50	#51 Non -Formulary	If field set to "1" the program sends "N/F"
National Formulary Indicator	VA Product File #50.68	#17 National Formulary Indicator	Send "1" for Yes; "0" for No; otherwise null if no data found
National Formulary Restriction	VA Product File #50.68	#50.6818,.01 National Formulary Restriction	If data is found send "1" ; otherwise "0"
Dispense Unit	Drug File #50	#14.5 Dispense Unit	
Cost Per Dispense Unit	Drug File #50	#16 Price Per Dispense Unit	
AMIS Category	Drug File #50	# 301 AR/WS AMIS Category	IF "0" Send "03 or 04" If "1" Send "06 or 07" If "2" Send "17" If 3 Send "22"
AMIS Conversion Number	Drug File #50	#302 AR/WS AMIS Conversion Number	
Total Quantity Dispensed	AR/WS Stats File #58.5 Category subfile #58.53	#1 Qty Dispensed or Returned	Formula = Qty Dispensed-Qty Dispensed If category is "A" or "W" – dispensed; If category is "RA" or "RW" –returned.

13.4.2.   AR/WS Statistics MailMan Messages

A MailMan message is constructed with the formatted data as in the following example.

Example: AR/WS Statistics MailMan Message

```
Subj: V. 3.0 PBMAR 29801 1/1 556 NORTH CHICAGO  [#6234229] 07 Sep 98 01:54  320 Lines
From: HINES,CIOFO  in 'IN' basket.   Page 1
--------------------------------------------------------------------------------

^556^^^^29801^^BACITRACIN 500UNT/GM OINT,TOP^^DE101^^0168-0011-35^^BACITRACIN 5
00U/GM OINT 30GM^^^^^^^^TU^^1.050^^06 or 07^^1^^39^
^556^^^^29801^^CLOTRIMAZOLE 1% CREAM,TOP^^DE102^^0085-0613-05^^CLOTRIMAZOLE 1%
CR 30GM^^^^^^^^TU^^1.170^^06 or 07^^1^^33^
^556^^^^29801^^TOLNAFTATE 1% PWDR,TOP^^DE102^^53807-123-01^^TOLNAFTATE 1% PWDR
45GM^^1^^^^^^CN^^1.420^^06 or 07^^1^^6^
^556^^^^29801^^FLUOCINONIDE 0.05% CREAM,TOP^^DE200^^51672-1253-3^^FLUOCINONIDE
0.05% CR 60GM^^^^^^^^TU^^3.000^^06 or 07^^1^^1^
^556^^^^29801^^GREEN SOAP TINCTURE,TOP^^DE400^^0395-1048-94^^GREEN SOAP TINC 12
0ML^^1^^^^^^BT^^1.190^^06 or 07^^1^^1^
^556^^^^29801^^SELENIUM SULFIDE 2.5% LOTION^^DE400^^0701-0528-04^^SELENIUM SULF
IDE 2.5% LOT 120ML^^^^^^^^BT^^1.270^^06 or 07^^1^^1^
^556^^^^29801^^ALPHA KERI BATH OIL^^DE350^^0701-0599-08^^BATH OIL 240ML^^^^^^^^
BT^^1.640^^06 or 07^^1^^118^
^556^^^^29801^^^^DE900^^76828-586-09^^CORN STARCH (BABY POWDER) 270GM^^^^^^^^BT
^^1.590^^06 or 07^^1^^71^
```

Example of data records not broken down to outpatient site or inpatient division.

```
Subj: V. 3.0 PBMAR 29808 1/1 556 NORTH CHICAGO  [#7569111] 16 Sep 98 23:59  434 Lines
From: DES MOINES, DIANE in 'IN' basket.   Page 1
--------------------------------------------------------------------

^556^^H^^29808^^BACITRACIN 500UNT/GM OINT,TOP^^DE101^^0168-0011-35^^BACITRACIN 500U/GM OINT
30GM^^^^^^^^TU^^0.560^^06 or 07^^1^^64^
^556^^H^^29808^^BACITRACIN ZINC 500UNT/POLYMYXIN B SO4 10000UNT/GM OINT,TOP^^DE109^^0081-0798-
87^^BACIT 500U W POLYMYX 10MU/GM OINT 30GM^^^^^^^^TU^^1.290^^06 or 07^^1^^6^
^556^^H^^29808^^CLOTRIMAZOLE 1% CREAM,TOP^^DE102^^0085-0613-05^^CLOTRIMAZOLE 1% CR
30GM^^^^^^^^TU^^1.170^^06 or 07^^1^^50^
^556^^H^^29808^^HYDROCORTISONE 1% CREAM,TOP^^DE200^^0701-0512-30^^HYDROCORTISONE 1% CR
30GM^^^^^^^^TU^^0.860^^06 or 07^^1^^9^
^556^^H^^29808^^COAL TAR 0.5% SHAMPOO^^DE802^^0145-0411-06^^COAL TAR 0.5%
SHAMPOO^^^^^^^^ML^^0.025^^06 or 07^^1^^2^
^556^^H^^29808^^ALPHA KERI BATH OIL^^DE350^^0701-0599-08^^BATH OIL 240ML^^^^^^^^BT^^1.640^^06 or
07^^1^^37^
^556^^H^^29808^^^^DE900^^76828-586-09^^CORN STARCH (BABY POWDER) 270GM^^^^^^^^BT^^1.590^^06 or
07^^1^^14^
```

13.4.3. Extraction Criteria for AR/WS Statistics

Example: AR/WS Statistical Data Summary Message

```
Subj: V. 3.0 PBMAR 29801 556 NORTH CHICAGO  [#6234230] 07 Sep 98 01:54  10 Lines
From: HINES,CIOFO  in 'IN' basket.   Page 1
-------------------------------------------------------------------------------

Automatic Replenishment/Ward Stock Statistical Data Summary
     JAN 1,1998 through JAN 31,1998

                          Total Amount    Total       Average
AMIS Category             Dispensed       Cost        Cost

03 or 04 (doses)              18122.00    10606.00      0.59
06 or 07 (units)              75327.00    23155.30      0.31
17 (fluids & sets)              338.00      590.54      1.75
22 (blood products)               0.00        0.00      0.00
```

Example: AR/WS Statistical Data Message

```
Subj: V. 3.0 PBMAR 29801 556 NORTH CHICAGO  [#6234231] 07 Sep 98 01:54  332 Lines
From: HINES,CIOFO  in 'IN' basket.   Page 1
-------------------------------------------------------------------------------

Automatic Replenishment/Ward Stock Data Summary
     JAN 1,1998 through JAN 31,1998

                                  Total      Total
                                  Dispensed  Dispensed  AMIS
DRUG NAME                         Units      Cost       Category
-------------------------------------------------------------------------------
ABSORBASE (EUCERIN) 454GM             15.00      31.65  06 or 07
ACETAMINOPHEN 160MG/5ML ELIX 480ML    20.00      39.20  06 or 07
ACETAMINOPHEN 325MG SUPP              35.00       4.23  03 or 04
ACETAMINOPHEN 325MG TAB             1350.00       8.10  03 or 04
ACETAMINOPHEN 325MG UD TAB          1540.00       9.24  03 or 04
ACETAMINOPHEN 500MG TAB              250.00       1.50  03 or 04
ACETAMINOPHEN 500MG UD TAB           550.00       1.10  03 or 04
ADENOSINE 3MG/ML INJ 2ML               1.00      14.32  03 or 04
WATER,STERILE IRRIGATION 500ML         5.00       3.28  17
YANKAUER SUCTION TUBE                  3.00       6.00  06 or 07
ZINC OXIDE 20% OINT 30GM               3.00       1.50  06 or 07
-------------------------------------------------------------------------------
TOTALS                             89139.00   34351.34

* Non-Formulary
# Not on National Formulary
```

13.5. Controlled Substances Statistics Format

The chart below explains the format for the Controlled Substances statistics as they appear in the MailMan message in a double up-arrow (^^) delimited format. The following is an example of a data record sent.

Title	Up-arrow(^) Piece number
Sender (by outpatient clinic/ inpatient division)	2
Break down by outpatient site/inpatient division not possible indicator	4
Dispense (transaction) date	6
NAOU	8
Patient (SSN)	10
VA Product Name	12
VA Drug Class	14
Generic Drug Name	16
Formulary/Non-Formulary Indicator	18
National Formulary Indictor	20
National Formulary Restriction	22
NDC	24
Breakdown Unit or Dispense Unit	26
Package Size (for dispensing type =2)	28
Unit Cost	30
Total Qty Dispensed (NAOU) or Total Doses Dispensed (SSN)	32

13.5.1. Controlled Substances Statistics Data Field Specifications

DATA	FILE #	FIELD #	DESCRIPTION
Sender	Medical Center Division File #40.8 OR Outpatient Site #59	#1 Facility Number #.06 Site Number	
Breakdown by Outpatient Division or Inpatient Site not possible indicator			If records could not be broken down to an Outpatient Site or Inpatient division an "H" is sent.
Dispense (transaction) date	Drug Accountability Transaction File #58.81	# 3 Date/time	
NAOU	Drug Accountability Stats #58.8	#.01 Pharmacy Location	
Patient SSN	Patient File #2	#.09 Social Security Number	
VA Product Name	Drug File #50	#21 VA Product Name	
VA Drug Class	Drug File #50	#2 VA Classification	
Generic Drug Name	Drug File #50	#.01 Generic name	
Formulary/Non-Formulary Indicator	Drug File #50	#51 Non formulary	If field set to "1" the program sends "N/F"
National Formulary Indicator	VA Product File #50.68	#17 National Formulary Indicator	Send "1" for Yes; "0" for No; otherwise null if no data found
National Formulary Restriction	VA Product File #50.68	#50.6818,.01 National Formulary Restriction	If data is found send "1" ; otherwise "0"
NDC	Drug File #50	#31 NDC	

Breakdown Unit
  OR
Dispense unit
	Drug Accountability Stats drug subfile # 58.8001
	   OR
	Drug File #50
		#7 Breakdown Unit
		   OR
		#`14.5 Dispense Unit
			Breakdown unit is used for dispensing type=2 transactions
			Dispense unit is used for dispensing type=17 transactions.

Package size (dispensing type =2 only)	Drug Accountability Stats drug subfile # 58.8001	#8 Package Size	Extracted for dispensing type=2 transactions
Unit Cost	Drug File #50	#16 Price Per Dispense Unit	
Total Qty Dispensed (NAOU) or Total Doses Dispensed (SSN)	Drug Accountability Transaction File #58.81	#5 Total Quantity #50 New Quantity (if adjustments are made)	

13.5.2.   Controlled Substances Statistics MailMan Messages

A MailMan message is constructed with the formatted data as in the following example.

Example: Controlled Substances Statistics MailMan Message

```
Subj: V. 3.0 PBMCS 29808 1/1 677HA LEAVENWORTH  [#6663538] 02 Oct 98 00:43  298 Lines
From: SUPPORT,ISC  in 'IN' basket.   Page 1
-------------------------------------------------------------------------------

^677HA^^^^2980803^^1-4A^^^^MORPHINE SO4 50MG/ML INJ^^CN101^^MORPHINE SULFATE 50MG/ML 20ML
VIAL^^^^^^^^00209-6864-22^^VIAL^^1^^13.340^^1^
^677HA^^^^2980803^^1-4A^^^^LORAZEPAM 1MG TAB^^CN302^^LORAZEPAM 1MG TAB UD^^^^^^^^51079-0386-
20^^TABLET^^10^^0.569^^30^
^677HA^^^^2980803^^1-4A^^^^OXYCODONE HCL 5MG/ACETAMINOPHEN 325MG TAB^^CN101^^OXYCODONE 5MG/APAP
325MG TAB UD^^^^^^^^00590-0127-75^^TABLET^^25^^0.125^^75^
^677HA^^^^2980801^^^^427600642^^LORAZEPAM 2MG TAB^^CN302^^LORAZEPAM 2MG UD TAB^^^^^^^^51079-038-
72^^TAB^^^^0.754^^27^
^677HA^^^^2980801^^^^579449690^^PROPOXYPHENE N 100MG/ACETAMINOPHEN 650MG TAB^^CN101^^ACETAMIN
650MG W PROPOXY N 100MG UD TAB^^^^^^^^0002-0363-33^^TAB^^^^0.065^^21^
^677HA^^^^2980801^^^^336142820^^LORAZEPAM 0.5MG TAB^^CN302^^LORAZEPAM 0.5MG UD TAB^^^^^^^^51079-
041-72^^TAB^^^^0.484^^92^0.245^^10^
```

Example of data records not broken down to outpatient site or inpatient division.

```
Subj: V. 3.0 PBMCS 29808 1/1 677HA LEAVENWORTH  [#6663538] 02 Oct 98 00:43  298 Lines
From: SUPPORT,ISC  in 'IN' basket.   Page 1
-------------------------------------------------------------------------------

^677HA^^H^^2980803^^1-4A^^^^MORPHINE SO4 50MG/ML INJ^^CN101^^MORPHINE SULFATE 50MG/ML 20ML
VIAL^^^^^^^^00209-6864-22^^VIAL^^1^^13.340^^1^
^677HA^^H^^2980803^^1-4A^^^^LORAZEPAM 1MG TAB^^CN302^^LORAZEPAM 1MG TAB UD^^^^^^^^51079-0386-
20^^TABLET^^10^^0.569^^30^
^677HA^^H^^2980803^^1-4A^^^^OXYCODONE HCL 5MG/ACETAMINOPHEN 325MG TAB^^CN101^^OXYCODONE 5MG/APAP
325MG TAB UD^^^^^^^^00590-0127-75^^TABLET^^25^^0.125^^75^
^677HA^^H^^2980801^^^^427600642^^LORAZEPAM 2MG TAB^^CN302^^LORAZEPAM 2MG UD TAB^^^^^^^^51079-038-
72^^TAB^^^^0.754^^27^
^677HA^^H^^2980801^^^^579449690^^PROPOXYPHENE N 100MG/ACETAMINOPHEN 650MG TAB^^CN101^^ACETAMIN
650MG W PROPOXY N 100MG UD TAB^^^^^^^^0002-0363-33^^TAB^^^^0.065^^21^
^677HA^^H^^2980801^^^^336142820^^LORAZEPAM 0.5MG TAB^^CN302^^LORAZEPAM 0.5MG UD TAB^^^^^^^^51079-
041-72^^TAB^^^^0.484^^92^
```

13.5.3.   Extraction Criteria for Controlled Substances Statistics

Controlled Substances data will be extracted by dispensing transaction records. Only dispensing transaction types of "17" (Logged for Patient) and "2" (Dispensed from Pharmacy) will be extracted.

Example: Controlled Substances Statistical Data Summary Message

```
Subj: V. 3.0 PBMCS 29808 556 NORTH CHICAGO  [#7570662] 17 Sep 98 02:37  6 Lines
From: DES MOINES, DIANE   in 'IN' basket.   Page 1
--------------------------------------------------------------------------------

              Controlled Substance Statistical Data Summary
                  AUG 1,1998 through AUG 31,1998          Page: 1

Total Control Substance Orders: 304
Total cost: 219.52
Average Cost per Order: 0.72

Select MESSAGE Action: IGNORE (in IN basket)// <Enter>
```

Example: Controlled Substances Statistical Data Message

```
Subj: V. 3.0 PBMCS 29808 556 NORTH CHICAGO  [#7570661] 17 Sep 98 02:37  59 Lines
From: DES MOINES, DIANE (IRM - phone: x4772)  in 'IN' basket.   Page 1
--------------------------------------------------------------------------------
                  Controlled Substance Statistical Data
                  AUG 1,1998 through AUG 31,1998         Page: 1

                                      Breakdown  Package  Quantity
Drug Name                             Unit       Size     Dispensed
-------------------------------------------------------------------
ACETAMIN 300MG W CODEINE 30MG UD TAB  TAB          25       390
ACETAMIN 500 W HYDROCODONE 5MG UD TAB TAB          25       325
ACETAMIN 500MG W OXYCODONE 5MG UD CAP CAP          25        50
ACETAMIN 650MG W PROPOXY N 100MG UD TAB TAB        20         0
ACETAMIN 650MG W PROPOXY N 100MG UD TAB TAB        25       505
ALPRAZOLAM 0.25MG UD TAB              TAB          25       170
ALPRAZOLAM 0.5MG UD TAB               TAB          25       130
ALPRAZOLAM 1MG UD TAB                 TAB          25       154
BEER 12OZ                             CAN           6         8
BUTORPHANOL NASAL SPRAY #             BT            1         2
CHLORDIAZEPOXIDE   5MG CAP            CAP          20        60
CHLORDIAZEPOXIDE  10MG UD CAP         CAP          25        40
CHLORDIAZEPOXIDE  25MG UD CAP         CAP          20       140
.
          [A portion of this statistical data message has been removed to save space.]
.
OXAZEPAM 10MG CAP                     EA           20       245
OXAZEPAM 15MG CAP                     CAP          20       340
PENTOBARBITAL 50MG/ML INJ   50ML #    VIAL          1         2
PHENOBARBITAL  30MG UD TAB            TAB          20       180
PHENOBARBITAL 130MG INJ 1ML #         VI           25        16
TEMAZEPAM 15MG UD CAP                 CAP          20       400
TEMAZEPAM 15MG UD CAP                 TAB          20         0
TEMAZEPAM 30MG UD CAP                 CAP          20       120
TESTOSTERONE CYP IN OIL 200MG/ML  10ML #  VIAL      1         4
VAF 10-2577F Security Rx PAD          PAD          40       120
-------------------------------------------------------------------
Totals:                                                    9745
```

13.6. Procurement Statistics Format

The chart below explains the format for the Procurement statistics as they appear in the MailMan message in a double up-arrow (^^) delimited format. Formats will be shown for data extracted from the IFCAP file (#442), PRIME VENDOR INVOICES file (#58.811), and DRUG ACCOUNTABILITY file (#58.81). The following is an example of each data record sent.

IFCAP file (#442) Procurement

Title	Up-arrow(^) Piece number
Sender (facility number + suffix)	2
Break down by outpatient site/inpatient division not possible indicator	4
P.O. Date	6
VA Product Name	8
VA Drug Class	10
Generic Drug Name	12
P.O. Description	14
NDC	16
NO DATA	18
NO DATA	20
Dispense Unit (File #50)	22
Unit of Purchase	24
Packaging Multiple	26
Dispensing Unit (File #445)	28
Disp. Unit Conversion Factor	30
Total Quantity	32
Actual Unit Cost	34
Total Cost	36
Vendor Name	38
NO DATA	40
Fund Control Point	42

PRIME VENDOR file (#58.811) Procurement

Title	Up-arrow(^) Piece number
Sender (facility number + suffix)	2
Break down by outpatient site/inpatient division not possible indicator	4
Verification Date	6
VA Product name	8
VA Drug Class	10
Generic Drug Name or Supply description	12
NO DATA	14
NDC	16
VSN	18
UPC	20
Dispense Unit (File #50)	22
Order Unit	24
NO DATA	26
NO DATA	28
Disp Unit Per Order Unit	30
Qty Invoiced	32
Price per Order Unit	34
Total Cost	36
Vendor Name	38
Invoice Number	40
NO DATA	42

DRUG ACCOUNTABILITY file (#58.81) Procurement

Title	Up-arrow(^) Piece number
Sender (facility number + suffix)	2
Break down by outpatient site/inpatient division not possible indicator	4
Transaction Date	6
VA Product Name	8
VA Drug Class	10
Generic Drug Name	12
NO DATA	14
NDC	16
NO DATA	18
NO DATA	20
Dispense Unit (file 50)	22
Order Unit	24
NO DATA	26
NO DATA	28
Disp Unit Per Order Unit	30
Qty Invoiced	32
Price per Order Unit	34
Total Cost	36
Manufacturer	38
Invoice Number (Prime Vendor)**	40
NO DATA	42

    ** may or may not be present

13.6.1. Procurement Statistics Data Field Specifications (File #442)

DATA	FILE #	FIELD #	DESCRIPTION
Sender	Institution file #4	#99 Station Number	Cannot be broken down to outpatient site or inpatient division
Breakdown by Outpatient Division or Inpatient Site not possible indicator			If records could not be broken down to an Outpatient Site or Inpatient division an "H" is sent.
P.O. Date	Procurement & Accounting Transactions File #442	# .1 P.O. Date	
VA Product Name	Drug File #50	# 21 VA Product Name	If no value found, extract sends "Unknown VA Product Name"
VA Drug Class	Drug File #50	# 2 VA Classification	
Generic Drug Name or Supply Description	Drug File #50	#.01 Generic name	If a drug file connection not made, "Unknown Generic Name" is sent
P.O. Description	Procurement & Accounting Transactions File #442.05	# .01 Description	
NDC	Procurement & Accounting Transactions File - Item sub-file #442.01	# 9.3 National Drug Code	If no value is found, "No NDC" is sent
NO DATA			
NO DATA			
Dispense Unit (File #50)	Drug File #50	#14.5 Dispense Unit	
Unit of Purchase	Unit of Issue File # 420.5	# .01 Name	
Packaging multiple	Procurement & Accounting Transactions Item sub-file #442.01	# 3.1 Packaging Multiple	
Dispensing Unit (File #445)	Generic Inventory – Inventory Item Sub-file #445.01	#50 Dispensing Unit	
Disp Unit Conversion Factor	Generic Inventory – Inventory Item Sub-file #445.01	# 51 Dispensing Unit Conversion Factor	
Total Quantity	Procurement & Accounting Transactions Item sub-file #442.01	#11 Quantity Previously Received	
Actual Unit Cost	Procurement & Accounting Transactions Item sub-file #442.01	#5 Actual Unit Cost	
Total Cost			Total cost = Total Quantity * Actual Unit Cost
Vendor name	Vendor File #440.01	# .01 Name	
NO DATA			
Fund Control Point	Procurement & Accounting Transactions File #442	# 1 FCP	

13.6.2.   Procurement Statistics Data Field Specifications (File #58.811)

DATA	FILE #	FIELD #	DESCRIPTION
Sender	Medical Center Division File #40.8 Outpatient Site File #59	# 1 Facility Number # .06 Site Number	
Breakdown by Outpatient Division or Inpatient Site not possible indicator			If records could not be broken down to an Outpatient Site or Inpatient division an "H" is sent.
Verification Date (#58.111)	Drug Accountability Order Line Item Data sub-file #58.81125	#7 Date verified	
VA Product Name	Drug File #50	# 21 VA Product Name	
VA Drug Class	Drug File #50	# 2 VA Classification	
Generic Drug Name or Supply Description	Drug File #50 Drug Accountability Order Line Item Data sub-file #58.81125	#.01 Generic name #1 Drug (can be pointer to File #50 or free text)	
NO DATA			
NDC	Drug Accountability Order Line Item Data sub-file #58.81125	#13 NDC (for a drug) or "S" concatenated with the UPC if supply item	If no data is found in field #13, then the NDC is extracted from the drug file #50, field #31. If no data is found in field #31, "No NDC" is sent.
VSN	Drug Accountability Order Line Item Data sub-file #58.81125	#14 VSN	
UPC	Drug Accountability Order Line Item Data sub-file #58.81125	#15 UPC	
Dispense Unit (File #50)	Drug File # 50	# 14.5 Dispense Unit	
Order Unit	Order Unit File #51.5	# .01 Abbreviation	
NO DATA			
NO DATA			
Disp Unit Per Order Unit	Drug – Synonym sub-file #50.1	#403 Dispense Units per Order Unit	
Qty Invoiced	Line Item Data sub-file #58.81125 and Adjustment sub-file #58.811259	#2 Quantity Invoiced in conjunction with #5 Verifier Adjustment	If an adjustment has been made, the adjustment is added to the quantity invoiced, otherwise the quantity invoiced is extracted.
Price Per Order Unit	Drug Accountability Order Adjustment sub-file #58.811259 OR Line Item Sub-file #58.81125	# 5 Verifier Adjustment #4 Price Per Order Unit	If there has been a Price Per Order Unit adjustment made, that value is extracted, otherwise the Original Price Per Order Unit
Total Cost			Formula = Qty Invoiced * Price Per Order Unit
Vendor name	Drug Accountability Order File #58.811	#1 Vendor Name	
Invoice Number	Drug Accountability Order Invoice Data sub-file #58.8112	#.01 Invoice Number	
NO DATA			

13.6.3. Procurement Statistics Data Field Specifications (File #58.81)

DATA	FILE #	FIELD #	DESCRIPTION
Sender	Medical Center Division File #40.8 OR Outpatient Site File #59	# 1 Facility Number # .06 Site Number	
Breakdown by Outpatient Division or Inpatient Site not possible indicator			If records could not be broken down to an Outpatient Site or Inpatient division an "H" is sent.
Transaction Date	Drug Accountability Transaction File # 58.81	#3 Date/time	
VA Product Name	Drug File #50	# 21 VA Product Name	If no data found send "Unknown VA Product Name"
VA Drug Class	Drug File #50	# 2 VA Classification	
Generic Drug Name	Drug File #50	#.01 Generic name	If no data found send "Unknown Generic Name"
NO DATA			
NDC	Drug File #50	#31 NDC	If no data found, send "No NDC"
NO DATA			
NO DATA			
Dispense Unit (File #50)	Drug File #50	# 14.5 Dispense Unit	
Order Unit	Order Unit File #51.5	# .01 Abbreviation	
NO DATA			
NO DATA			
Disp Unit Per Order Unit	Drug File # 50	#15 Drug Units Per Order Unit	
Qty Invoiced	Drug Accountability Transaction File # 58.81	# 5 Quantity	
Price Per Order Unit	Drug File #50	# 13 Price Per Order Unit	
Total Cost			Formula = Qty Invoice/ Disp Units Per Order Unit * Price Per Order Unit
Manufacturer	Drug Accountability Transaction File # 58.81	# 12 Manufacturer	
Invoice Number	Drug Accountability Transaction File # 58.81	#71 Prime Vendor Invoice	
NO DATA			

13.6.4. Procurement Statistics MailMan Messages

A MailMan message is constructed with the formatted data as in the following example.

Example: Procurement Statistics MailMan Message

```
Subj: V. 3.0 PBMPR 29808 1/1 677 TOPEKA   [#6663519] 02 Oct 98 00:18  2765 Lines
From: SUPPORT,ISC  in 'IN' basket.   Page 1
----------------------------------------------------------------------------

^677^^H^^2980803^^Unknown VA Product Name^^^^Unknown Generic Name^^PILLOW, POLY FOAM FILLING,
STAFF CHECK COVER^^No NDC^^^^^^^^EA^^1^^^^^^12^^4.65^^55.8^^US PRODUCTS, INC.^^^^116 LV SPD^
^677^^H^^2980803^^Unknown VA Product Name^^^^Unknown Generic Name^^FECAL INCONTINENCE
COLLECTOR^^No NDC^^^^^^^^BX^^10^^^^^^1^^36.41^^36.41^^HOLLISTER^^^^116 LV SPD^
^677^^H^^2980803^^Unknown VA Product Name^^^^Unknown Generic Name^^Label, Avoid green leafy
vegetables^^No NDC^^^^^^^^RO^^6000^^^^^^6^^4.81^^28.86^^APOTHECARY PRODUCTS^^^^028 PHARMACY^
^677^^H^^2980803^^Unknown VA Product Name^^^^Unknown Generic Name^^ELS48 CS 24 PORT ENET LAN
SERVERMODULE RS232 W/CTRL SIG/MSD^^No NDC^^^^^^^^EA^^1^^^^^^1^^1155.62^^1155.62^^APPLIED COMPUTER
ONLINE SERV^^^^050 CMOP SUPPLIES^
^677^^^^2980810^^^^AD300^^DEFEROXAMINE 500MG INJ
^^^^000083380104^^2423457^^^^VIAL^^BX^^^^^^4^^0^^25.3^^0^^AMERISOURCE - JOPLIN^^4558287^
^677^^^^2980810^^^^CN900^^ERGOLOID MESYLATES 1MG
TAB^^^^053489028101^^2437697^^^^TAB^^BT^^^^^^100^^1^^42.5^^42.5^^AMERISOURCE - JOPLIN^^4558287^
^667^^^^2980807^^LORAZEPAM 1MG TAB^^CN302^^LORAZEPAM 1MG UD TAB^^^^51079-038-
62^^^^^^TAB^^PG^^^^^^100^^100^^51.18^^5118^^^^2465596^^^
^667^^^^2980807^^PHENOBARBITAL 32MG TAB^^CN301^^PHENOBARBITAL  30MG TAB^^^^0252-3166-
02^^^^^^TAB^^BT^^^^^^100^^100^^2.75^^275^^^^2465596^^^
^667^^^^2980807^^PROPOXYPHENE N 100MG/ACETAMINOPHEN 650MG TAB^^CN101^^ACETAMIN 650MG W PROPOXY N
100MG TAB^^^^0002-0363-02^^^^^^TAB^^BT^^^^^^100^^1200^^5.40^^540^^^^2465596^^^
```

Example of data that could not be broken down to outpatient clinic or division.

```
Subj: V. 3.0 PBMPR 29808 1/1 677 TOPEKA   [#6663519] 02 Oct 98 00:18  2765 Lines
From: SUPPORT,ISC  in 'IN' basket.   Page 1
----------------------------------------------------------------------------

^677^^H^^2980803^^Unknown VA Product Name^^^^Unknown Generic Name^^PILLOW, POLY FOAM FILLING,
STAFF CHECK COVER^^No NDC^^^^^^^^EA^^1^^^^^^12^^4.65^^55.8^^US PRODUCTS, INC.^^^^116 LV SPD^
^677^^H^^2980803^^Unknown VA Product Name^^^^Unknown Generic Name^^FECAL INCONTINENCE
COLLECTOR^^No NDC^^^^^^^^BX^^10^^^^^^1^^36.41^^36.41^^HOLLISTER^^^^116 LV SPD^
^677^^H^^2980803^^Unknown VA Product Name^^^^Unknown Generic Name^^Label, Avoid green leafy
vegetables^^No NDC^^^^^^^^RO^^6000^^^^^^6^^4.81^^28.86^^APOTHECARY PRODUCTS^^^^028 PHARMACY^
^677^^H^^2980803^^Unknown VA Product Name^^^^Unknown Generic Name^^ELS48 CS 24 PORT ENET LAN
SERVERMODULE RS232 W/CTRL SIG/MSD^^No NDC^^^^^^^^EA^^1^^^^^^1^^1155.62^^1155.62^^APPLIED COMPUTER
ONLINE SERV^^^^050 CMOP SUPPLIES^
^677^^H^^2980810^^^^AD300^^DEFEROXAMINE 500MG INJ
^^^^000083380104^^2423457^^^^VIAL^^BX^^^^^^4^^0^^25.3^^0^^AMERISOURCE - JOPLIN^^4558287^
^677^^H^^2980810^^^^CN900^^ERGOLOID MESYLATES 1MG
TAB^^^^053489028101^^2437697^^^^TAB^^BT^^^^^^100^^1^^42.5^^42.5^^AMERISOURCE - JOPLIN^^4558287^
^667^^H^^2980807^^LORAZEPAM 1MG TAB^^CN302^^LORAZEPAM 1MG UD TAB^^^^51079-038-
62^^^^^^TAB^^PG^^^^^^100^^100^^51.18^^5118^^^^2465596^^^
^667^^H^^2980807^^PHENOBARBITAL 32MG TAB^^CN301^^PHENOBARBITAL  30MG TAB^^^^0252-3166-
02^^^^^^TAB^^BT^^^^^^100^^100^^2.75^^275^^^^2465596^^^
^667^^H^^2980807^^PROPOXYPHENE N 100MG/ACETAMINOPHEN 650MG TAB^^CN101^^ACETAMIN 650MG W PROPOXY N
100MG TAB^^^^0002-0363-02^^^^^^TAB^^BT^^^^^^100^^1200^^5.40^^540^^^^2465596^^^
```

13.6.5. Extraction Criteria for Procurement Statistics

Procurement data is extracted from IFCAP files, DRUG ACCOUNTABILITY file (#58.81) and DRUG ACCOUNTABILITY ORDER (Prime Vendor) file (#58.811). How much or how little data is extracted is dependent on what is implemented at the facility.

Procurement data from IFCAP file #442 is limited to transactions with a cost center of 822400 (Pharmacy) and 828100 (SPD). Only completed prime vendor invoice data from file #58.811 will be extracted. Procurement data with dispensing transaction type of "1" (Receipt into Pharmacy) will be extracted from file #58.81.

Example: Procurement Statistical Data Summary Message

```
Subj: V. 3.0 PBMPR 29801  556 NORTH CHICAGO  [#6234238] 07 Sep 98 03:30  4 Lines
From: HINES,CIOFO  in 'IN' basket.   Page 1
-------------------------------------------------------------------------

Procurement Statistical Summary Data for JAN 1,1998 through JAN 31,1998

Total of Drug/Supply Items:   123
Total Cost:                $ 33312.39


Select MESSAGE Action: IGNORE (in IN basket)// <Enter>
```

Example: Procurement Statistical Data Message

```
Subj: V. 3.0 PBMPR 29801  556 NORTH CHICAGO  [#6234239] 07 Sep 98 03:30  130 Lines
From: HINES,CIOFO  in 'IN' basket.   Page 1
--------------------------------------------------------------------------------

Procurement Statistical Data for JAN 1,1998 through JAN 31,1998


                                          Dispense  Total     Total
Drug/Supply Name                          Unit      Qty       Cost
--------------------------------------------------------------------------------
2B-7317  1.5% GLYCINE UROLOGIC IRRIGATING SOLUTION            6    180.18
7665 BIO TAC CLOTH                                            1     85.51
ACETAMIN 300MG W CODEINE 30MG TAB         TAB     4800   2466.00
ACETAMIN 300MG W CODEINE 30MG UD TAB      TAB      300   1398.00
ACETAMIN 500 W HYDROCODONE 5MG UD TAB     EA       200   1140.00
ACETAMIN 500MG W HYDROCODONE 5MG TAB      TAB     9600   4095.00
ACETAMIN 500MG W OXYCODONE 5MG CAP        CAP     2100   3500.00
ACTIVATED CHARCOAL LIQUID 25GM/120ML /ML  ML       11     58.52
ACYCLOVIR 200MG CAP                       CAP       1     11.28
ACYCLOVIR 5% OINTMENT /GM                 GM       12    292.92
ACYCLOVIR 800MG TAB                       TAB       1     33.03
ADULT BP CUFF                                       1     66.80
ALCOHOL, USP., 5 GALLON, (ETHYL ALCOHOL). EA        9    222.75
ALCOHOL,PINTS (ETHYL)                             10    240.00
ALLIS FORCEPT                                      2     33.92
ASEPTI PHENE 104122L                               1     46.95
ASEPTIZYME                                         1     79.24
ATC CANISTERS                                     22   2200.00
ATC CANSTERS                                       6    600.00
AUTOCLAVE AND CART CLEANER                         1     96.00
BABCOCK FORCEPT                                    2    181.14
BAR CODE PRINTER RIBBON                            6    795.96
BOUFFANT CAP                                       2     71.00
BUNNY BOOT                                         2     62.50
CLEAN PRINT HEAD                                   0      0.00
CONNECTING TUBING                                 1     45.37
CONSMR DMRG-MED/SPECIALTY CYL                    374   1290.30
CONSMR DMRG-THERAPY OXYGEN CYL                   156    538.20
COSET                                             1    210.00
COUNTRY TIME LEMONAID                            13     40.17
DECONTAM MASK                                     3    158.40
DERMASHEILD                                       1    227.40
DEXTROSE 5%                                      10    317.62
DEXTROSE 5% 0.9% NACL INJ 1000CC                  6     27.84
ZOLADEX 10.8MG                                    6   2389.38
ZOLADEX 10.8MG SINGE SYRINGE                      6   2389.38
--------------------------------------------------------------------------------
Total                                          1429  33312.39
```

13.7. Laboratory Statistics Format

The chart below explains the format for the Laboratory statistics as they appear in the MailMan message in a double up-arrow (^^) delimited format. The following is an example of a data record sent.

Title	Up-arrow(^) Piece number
Sender (facility number + suffix)	2
Patient SSN	4
IV Order #	6
UD Order #	8
Prescription #	10
Generic Drug Name	12
Laboratory Test Name	14
Results + Units	16
Hi/Lo Flag	18
Date/time Specimen Collected	20

If an IV order has multiple IV additives/solutions that are assigned the same VA drug class that requires laboratory data extraction, repetitive laboratory data will be sent.

The same rule applies for a Unit Dose order with multiple dispense drugs which have the same VA drug class.

If an IV order, Unit Dose order, or a Prescription contains a drug for which more than one laboratory test is extracted, all pieces of information will be repeated with the exception of the laboratory data. (See the example of the MailMan message on the following page.)

13.7.1. Laboratory Statistics Data Field Specifications

DATA	FILE #	FIELD #	DESCRIPTION
Sender	Medical Center Division File #40.8 OR Outpatient Site File #59	# 1 Facility Number # .06 Site Number	
Patient SSN	Patient File #2	#.09 Social Security Number	
IV Order #	Pharmacy Patient – IV sub-file #55.01	#.01 Order Number	
Unit Dose Order #	Pharmacy Patient –Unit Dose Sub-file #55.06	#.01 Order Number	
Prescription #	Prescription File #52	# .01 Rx #	
Generic Drug Name	Drug File #50	#.01 Generic name	
Laboratory Test Name	Laboratory Test File #60	# .01 Name	
Results + Units	Lab data file # 63.04 Laboratory Test File Sub-file # 60.01	# 5 Location (data name) # 6 Units	
Hi/Lo Flag	Lab data File #63	Results node, 2nd global piece	
Date/time Specimen Collected	Lab Data File # 63.04	# .01 Date/Time specimen taken	

13.7.2. Laboratory Statistics MailMan Message

A MailMan message is constructed with the formatted data as in the following example.

Example: Laboratory Statistics MailMan Message

```
Subj: V. 3.0 PBMLR 29808 1/1 556 NORTH CHICAGO  [#7571106] 17 Sep 98 02:55  5725 Lines
From: DES MOINES, DIANE in 'IN' basket.   Page 1
----------------------------------------------------------------------------

^556^^333333333^^1^^^^^^FAMOTIDINE 10MG/ML INJ 4ML^^CREATININE^^.9 mg/dL^^^^298
0731.08001^
^556^^777777777^^32^^^^^^FAMOTIDINE 10MG/ML INJ 4ML^^CREATININE^^2.3 mg/dL^^H^^
2980731.083934^
^556^^555555555^^3^^^^^^FAMOTIDINE 10MG/ML INJ 4ML^^CREATININE^^1.4 mg/dL^^^^29
80730.143023^
^556^^888888888^^^^14^^^^GEMFIBROZIL 600MG TAB^^CHOLESTEROL^^192. mg/dL^^^^2980507.08^
^556^^888888888^^^^14^^^^GEMFIBROZIL 600MG TAB^^SGOT^^33. U/L^^^^2980507.08^
^556^^888888888^^^^14^^^^GEMFIBROZIL 600MG TAB^^TRIGLYCERIDES^^107. mg/dL^^^^2980507.08^
^556^^888888888^^^^14^^^^GEMFIBROZIL 600MG TAB^^HDL CHOLESTEROL^^65 mg/dl^^^^2980507.08^
^556^^888888888^^^^14^^^^GEMFIBROZIL 600MG TAB^^LDL CHOLESTEROL^^106 mg/dl^^^^2980507.08^
^556^^000010000^^^^^^1317395^^LISINOPRIL 5MG TAB^^CREATININE^^.8 mg/dL^^^^2971230.083336^
^556^^222112222^^^^^^1317395^^LISINOPRIL 5MG TAB^^POTASSIUM^^4.6 mmol/L^^^^2971230.083336^
^556^^444444444^^^^^^1319160^^NIFEDIPINE (ADALAT CC) 60MG SA TAB^^CREATININE^^1.0
mg/dL^^^^2980105.105717^
```

13.7.3.   Extraction Criteria for Laboratory Statistics

Specific laboratory test results for IV additive(s) or solution(s), dispensed drug(s) and prescription drugs that have designated VA Drug Classes will be extracted. See below. The latest test result going back one year will be extracted.

VA Drug Class Code	Laboratory Test Name	Wkld code
AN500	Testosterone	83405.0000
AN500	Testosterone Free	81062.0000
CV200	Creatinine	82565.0000
CV350	Cholesterol LDL	83017.0000
CV350	Cholesterol HDL	83013.0000
CV350	Triglycerides w o extract	84480.0000
CV350	Cholesterol Total	82466.0000
CV350	Transferase Aspartate (SGOT)	84455.0000
CV350	Transferase Alanine Amino (SGPT)	84465.0000
CV800	Creatinine	82565.0000
CV800	Potassium	84140.0000
GA301	Creatinine	82565.0000
HS502	Glucose Quant	84330.0000
HS502	Glycohemoglobin HbA 1c	85053.0000
HS502	Glycohemoglobin HbA 1c	85052.0000
HS502	Transferase Aspartate (SGOT)	84455.0000
HS502	Transferase Alanine Amino (SGPT)	84465.0000

Example: Laboratory Statistical Data Summary Message

```
Subj: V. 3.0 PBMLR 29808  556PA NC-PRRTP  [#7571162] 17 Sep 98 02:55  4 Lines
From: DES MOINES, DIANE   in 'IN' basket.   Page 1
--------------------------------------------------------------------------

Laboratory Statistical Summary Data for AUG 1,1998 through AUG 31,1998

Total Patients          9
Total Laboratory Tests  35


Select MESSAGE Action: IGNORE (in IN basket)// <Enter>
```

Example: Laboratory Statistical Data Message

```
Subj: V. 3.0 PBMLR 29808  556PA NC-PRRTP  [#7571163] 17 Sep 98 02:55  39 Lines
From: DES MOINES, DIANE   in 'IN' basket.   Page 1
-------------------------------------------------------------------------------

Laboratory Statistical Data for AUG 1,1998 through AUG 31,1998

Patient SSN   VA CODE  Laboratory        Results        Flag  Date/Time Taken
-------------------------------------------------------------------------------
352404322     CV800    CREATININE        1.0 mg/dL            07/01/98 0818
                       POTASSIUM         3.8 mmol/L           07/01/98 0818
372448348     HS502    GLUCOSE           211. mg/dL     H     07/28/98 0718
                       HEMOGLOBIN A1C    10.9  %        H     07/28/98 0718
363462996     CV200    CREATININE        1.3 mg/dL            02/10/98 0718
              CV350    CHOLESTEROL       175. mg/dL           02/10/98 0718
                       SGOT              26. U/L              02/10/98 0718
                       TRIGLYCERIDES     268. mg/dL     H     02/10/98 0718
                       HDL CHOLESTEROL   31 mg/dl             02/10/98 0718
                       LDL CHOLESTEROL    90 mg/dl            02/10/98 0718
              CV800    CREATININE        1.3 mg/dL            02/10/98 0718
                       POTASSIUM         4.7 mmol/L           02/10/98 0718
              HS502    GLUCOSE           155. mg/dL     H     02/10/98 0718
                       SGOT              26. U/L              02/10/98 0718
                       HEMOGLOBIN A1C    5.8  %               02/10/98 0719
321403405     CV200    CREATININE        .9 mg/dL             03/31/98 0724
323349656     CV350    CHOLESTEROL       281. mg/dL     H     06/03/98 0725
                       SGOT              23. U/L              06/03/98 0725
                       TRIGLYCERIDES     239. mg/dL     H     06/03/98 0725
                       HDL CHOLESTEROL   37 mg/dl             06/03/98 0725
                       LDL CHOLESTEROL   196 mg/dl      H     06/03/98 0725
383466829     CV200    CREATININE        .9 mg/dL             07/14/98 0723
              GA301    CREATININE        .9 mg/dL             07/14/98 0723
              HS502    GLUCOSE           286. mg/dL     H     07/31/98 0723
                       SGOT              83. U/L        H     07/14/98 0723
                       GLUCOSE, 2HR PP   405. mg/dl     H     07/31/98 1010
                       HEMOGLOBIN A1C    7.4  %         H     07/14/98 0723
359366902     CV200    CREATININE        1.1 mg/dL            06/23/98 1442
              GA301    CREATININE        1.1 mg/dL            06/23/98 1442
366503405     CV350    CHOLESTEROL       237. mg/dL     H     07/29/98 0707
```

14. Software Product Security

There are *no* security issues related to the Pharmacy Benefits Management software package.

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15. Glossary

Active Order   Any order which has not expired or been
                                    discontinued. Active orders also include any orders
                                    that are on hold or on call.

Additive   A drug that is added to an IV solution for the
                                    purpose of parenteral administration. An additive
                                    can be an electrolyte, a vitamin or other nutrient, or
                                    an antibiotic, but only electrolyte—or multivitamin-
                                    type additives can be entered as IV fluid additives
                                    in Computerized Patient Record System (CPRS).

ADMINISTRATION   File #51.1. This file contains administration
SCHEDULE file   schedule names and standard dosage administration
                                    times. The name is a common abbreviation for an
                                    administration schedule type (e. g., QUID, Q4H,
                                    PRN). The administration time is entered in military
                                    time, with each time separated from the next by a
                                    dash, and times listed in ascending order.

Admixture   An admixture is composed of any number of
                                    additives (including zero) in one solution. It is given
                                    at a specified flow rate; when one bottle or bag is
                                    empty, another is hung.

AMIS Category   The AMIS category will classify AR/WS drugs for
                                    AMIS purposes. The four AMIS categories are 0, 1,
                                    2, and 3. "0" means the drug is classified as field 03
                                    or 04. This includes tablets, capsules, multidose
                                    vials, etc. It does not include multiple-dose
                                    externals, liquids, or antacids. "1" means the drug is
                                    classified as field 06 or 07. This includes multiple-
                                    dose externals, liquids, antacids, otics, opthalmics,
                                    and inhalations. "2" means the drug is classified as
                                    field 17. This includes solutions and administration
                                    sets. "3" means the drug is classified as field 22.
                                    This includes blood and blood products.

AMIS Conversion Number   The AMIS conversion number reflects the number of doses/units contained in a single quantity dispensed. For example, for a 20cc vial, the quantity dispensed is 1, and the AMIS conversion number is 20.

AOU-Area of Use   An Area of Use is a place where commonly stocked items are stored for use by wards or treatment areas. An AOU may serve one or more wards or clinics, or, as in the case of "cardiac cath lab", no ward.

Automatic Replenishment/   A method of drug distribution and inventory
Ward Stock (AR/WS)   management within a hospital. Drug products can be automatically inventoried and delivered to an Area of Use (AOU) or requested on demand.

Average Unit Drug Cost   The total drug cost divided by the total number of units of measurement.

Chemotherapy   Chemotherapy is the treatment or prevention of cancer with chemical agents. The chemotherapy IV type can be administered as a syringe, admixture, or a piggyback. Once the subtype (syringe, piggyback, etc.) is selected, the order entry follows the same procedure as the type that corresponds to the selected subtype (e.g., piggyback type of chemotherapy follows the same entry procedure as regular piggyback IV).

Chemotherapy "Admixture"   The Chemotherapy "Admixture" IV type follows the same order entry procedure as the regular admixture IV type. This type is used when the level of toxicity of the chemotherapy drug is high and is to be administered continuously over a long period of time (e.g., 7 days).

Chemotherapy "Piggyback"	The Chemotherapy "Piggyback" IV type follows the same order entry procedure as the regular piggyback IV type. This type of chemotherapy is used when the chemotherapy drug does not have time constraints on how fast it must be infused into the patient. These types are normally administered over a 30-60 minute interval.
Chemotherapy "Syringe"	The Chemotherapy "Syringe" IV type follows the same order entry procedure as the regular syringe IV type. Its administration may be continuous or intermittent. This type is selected by the pharmacist when the level of toxicity of the chemotherapy drug is low and needs to be infused directly into the patient within a short time interval (usually 1-2 minutes).
Continuous Syringe	A syringe type of IV that is administered continuously to the patient, similar to a hyperal IV type. This type of syringe is commonly used on outpatients and administered automatically by an electrical device.
Controlled Substance	A drug that has been marked for tracking through the Controlled Substances V. 3.0 package. It is usually narcotic.
Credit	This is money due to the VA facility from the prime vendor. When an invoice dollar amount is more than the adjusted dollar amount, DA flags it as an outstanding credit. When the facility receives a credit memo, the credit data is entered in DA.
DEA Special Handling	The Drug Enforcement Agency special handling code used for drugs to designate if they are over-the-counter, narcotics, bulk compounds, supply items, etc.

Dispense Units per Order Unit	This is the total number of dispense units contained in one order unit. For example, if you order a case containing 12 bottles with 1,000 tablets in each bottle, the dispense unit per order unit is 12,000 per the following equation:

Dispense Units: TAB
Order Unit   :CS

The contains 12 bottles of 1,000tablets
12 x 1,000 = 12,000
DISPENSE UNITS PER ORDER UNIT: 12,000

Dispensing Unit	This field is used to indicate the pharmacy dispensing units when converting the unit per issue to the pharmacy dispensing units.
Dispensing Unit Conversion Factor	This field is multiplied by the quantity on hand in unit per issue to generate the quantity in pharmacy dispensing units.
Drug	A substance used to treat illness or disease.
Drug Accountability/ Inventory Interface	The creation of a perpetual inventory for VA facility pharmacies. This inventory, or pharmacy location, can be an Inpatient, Outpatient, or Combined operation. If the facility is interfacing with the Generic Inventory Package (GIP), the pharmacy location must be linked to a primary inventory point to enable receiving. Dispensing activity will be gathered from the appropriate pharmacy packages [e.g., Outpatient Pharmacy, Inpatient Medications (Unit Dose and Intravenous), Automatic Replenishment and Ward Stock (AR/WS)].
DRUG file	File #50. A **V**_IST_**A** file used by Pharmacy software products. This file is used to list generic drug products and holds the information related to each drug that can be used to fill a prescription.

E3R	The Electronic Error and Enhancement Report system is located on the VA FORUM mail system. The utility provides tools for entering, tracking, and reporting enhancement requests for V*IST*A packages.
Federal Stock Number (FSN)	This field exists in the DRUG file (#50) and corresponds to the National Stock Number field in the ITEM MASTER file (#441). It is used as a tool for connection these files.
GIP	The Generic Inventory Package is the VA software package that automatically generates purchase orders and manages inventory.
Hyperalimentation (Hyperal)	Long term feeding of a protein-carbohydrate solution. Electrolytes, fats, trace elements, and vitamins can be added. Since this solution generally provides all necessary nutrients, it is commonly referred to as Total Parenteral Nutrition (TPN). A hyperal is composed of many additives in two or more solutions. When the labels print, they show the individual electrolytes in the hyperal order.
IFCAP	The Integrated Funds Distribution, Control Point Activity, Accounting and Procurement is the VA software package that tracks procurement and payment.
Infusion Rate	The designated rate of flow of IV fluids into the patient.
Inpatient Site	An area within a facility that treats patients that have been admitted. If the facility has more than one Inpatient dispensing area, it is necessary to link each pharmacy location to the appropriate Inpatient site (area) for the collection of dispensing data.

Intermittent Syringe	A syringe type of IV that is administered periodically to the patient according to an administration schedule.
Internal Order Number	The number on the top left corner of the label of an IV bag in brackets ([ ]). This number can be used to speed up the entry of returns and destroyed IV bags.
Invoice	A bill for ordered goods. Each invoice is numbered. See entry for Order Number vs. Item Number.
Item	It is a specific drug product in the ITEM MASTER file (#441) that references the way it is packaged (i.e., Prozac 25 mg., 250 tabs/bottle).
ITEM MASTER file	File #441. A V*IST*A file used by the IFCAP software. This file is used to store items. The file contains descriptive information for all items that are ordered. It contains information needed for purchasing or ordering items.
IV ADDITIVES file	File #52.6. This file contains drugs, which are used as additives in the IV room. Data entered includes drug generic name, print name, drug information, synonym(s), dispensing units, cost per unit, days for IV order, usual IV schedule, administration times, electrolytes, and quick code information.
IV Room Name	The name identifying an IV distribution area.
IV SOLUTIONS file	File #52.7. This file contains drugs, which are used as primary solutions in the IV room. The solution must already exist in the DRUG file (#50) to be selected. Data in this file includes drug generic name, print name, status, drug information, synonym(s), volume, and electrolytes.

Label Device	The device, identified by the user, on which computer-generated labels will be printed.
LVP	Large Volume Parenteral—Admixture. A solution intended for continuous parenteral infusion, administered as a vehicle for additive(s) or for the pharmacological effect of the solution itself. Composed of any number of additives, including zero, in one solution. An LVP runs continuously, with another bag hung when one bottle or bag is empty.
Line Item	This is the information on the invoice for an ordered drug.
Master Vault	An inventory location created to store a select group of controlled substances and track their balance and activity.
National Drug Code (NDC)	A field that exists in the DRUG file (#50), ITEM MASTER file (#441). With some formatting adjustments the field is used to match entries in otherwise unlinked files and open the door for comparative displays and reports. The code itself contains a maximum of 12 digits. The first six digits are the manufacturer's code, the next four are the product code, and the last two digits are the package code.
National Stock Number (NSN)	This field exists in the ITEM MASTER file (#441) and corresponds to the FSN field (#6) in the DRUG file (#50). It is used as a connecting tool for these files.
Non-Formulary Drugs	Drugs that are not available for the use of all physicians.
On Demand Request	Non-scheduled distribution of an item to an AOU.
Order	VA's request for goods from the vendor.

Order Number vs. An order number is a VA number by which
Invoice Number to charge the ordered goods. The invoice number is
the vendor's number for billing the ordered goods.
There can be many invoice numbers assigned to one
order number because by law, certain drugs have to
be placed on an invoice by itself. Also drugs can
come from different distribution centers, which
necessitates different invoice numbers.

Outpatient Site An area within a facility that treats patients that are
not admitted to the facility. If a facility has more
than one Outpatient dispensing area, it is necessary
to link each pharmacy location to the appropriate
Outpatient site (area) for the collection of
Outpatient dispensing data.

Partial Prescription A prescription that has been filled for a quantity
smaller than requested. A possible reason for a
partial fill is that a patient is to return to the clinic in
10 days but the prescription calls for a thirty-day
supply. Partials do count as workload but do not
count against the total number of refills for a
prescription.

PBM Pharmacy Benefits Management.

Perpetual Inventory The capability to maintain an accurate balance at
the dispense unit level (such as tablets, capsules) for
a select group of items.

Pharmacy Location An inventory location created to store a select group
or all of non-controlled drugs and track their
balance and activity.

Piggyback	Small volume parenteral solution for intermittent infusion. A piggyback is composed of any number of additives, including zero, and one solution; the mixture is made in a small bag. The piggyback is given on a schedule (e.g., Q6H). Once the medication flows in, the piggyback is removed; another is not hung until the administration schedule calls for it.
Posted Procurement	Purchases made from the Acquisition and Materiel Management Service (A&MMS) warehouse.
Pre-Exchange Units	The number of actual units required for an order until the next cart exchange.
Prescription	This term is now referred to throughout the software as medication orders.
Primary Inventory Point	Within the IFCAP Personal Property Management (PPM) module, an option enables the creation of a primary inventory point for each Service that manages a Fund Control Point. The Primary—General Inventory/Distribution Menu [PRCP MAIN MENU] provides Service level management of a primary inventory point. Similar to a pharmacy location, a primary inventory point houses a select group of items and provides tools (bar coding) for physical counts and auto-generation of orders. It is the connecting of the DRUG file (#50)/ITEM MASTER file (#441) and the linking of a pharmacy location to a primary inventory point that will automate receiving. Connection to multiple primary inventory points is allowed.

Primary Solution	A solution, usually an LVP, administered as a vehicle for additive(s) or for pharmacological effect of the solution itself. Infusion is generally continuous. An LVP or piggyback has only one solution (primary solution). A hyperal can have one or more solutions.
Prime Vendor	A procurement system where each section orders pharmaceutical supplies directly from one primary vendor via computer link.
Print Name	Drug generic name as it is to appear on pertinent IV output, such as labels and reports. Volume is not part of the print name.
Process	Process is matching invoice data with data in V*IST*A and validating the data. Matching is accomplished by comparing the line item data on the invoice with its entry in the DRUG file (#50). Validating is accomplished by confirming the quantity received vs. the quantity invoiced. Anyone holding the PSA ORDERS key can process the invoice.
Process Invoices	To process invoices, the prime vendor's invoice data is matched to the data in V*IST*A and the data is validated. Matching is accomplished by comparing the line item data on the invoice with its entry in the DRUG file (#50). Validating is accomplished by confirming the quantity-received verses the quantity invoiced. Anyone holding the PSA ORDERS key can process the invoice.
Provider	The person who authorized an order. Only users identified as providers who are authorized to write medication orders may be selected.
Refill	A second or subsequent filling authorized by the provider.

Report Device	The device, identified by the user, on which computer-generated reports selected by the user will be printed.
Reorder Level	The minimum amount of dispense units to keep in the pharmacy location or master vault. A MailMan message is sent to holders of the PSA ORDERS key when the current drug balance is equal to or less than the reorder level. A nightly job sends the mail message if there is at least one drug at or below this level.
Schedule	The frequency by which the doses are to be administered, such as Q8H, BID, NOW, etc.
Sig.	The instructions printed on the label.
Standard Schedule	Standard medication administration schedules stored in the ADMINISTRATION SCHEDULE file (#51.1).
Syringe	Type of IV that uses a syringe rather than a bottle or bag. The method of infusion for a syringe-type IV may be continuous or intermittent.
Syringe Size	The syringe size is the capacity or volume of a particular syringe. The size of a syringe is usually measured in number of cubic centimeters (Ccs).
TPN	Total Parenteral Nutrition. The intravenous administration of the total nutrient requirements of the patient. The term TPN is also used to mean the requirements.
Unit of Issue	The packaging unit used at the inventory point to distribute the item.
Unit of Issue Packaging Multiple	The number for converting the unit of issue into individual items.

Unposted Procurement

Any purchases made from other than the A&MM warehouse.

VA Drug Class Code

A drug classification system used by VA that separates drugs into different categories based upon their characteristics. IV cost reports can be run for VA Drug Class Codes, provided the Outpatient Pharmacy V. 5.6 or later package has been installed at the site.

Verify

To confirm correctness of invoice data. Verification only occurs after the data has been processed. Once verified, balances are incremented. If there is at least one drug marked as a controlled substance on the invoice, only a pharmacist holding the PSA ORDERS key can verify the invoice. If there are no controlled substances, anyone who did not process the invoice, holding the PSA ORDERS key, can verify the invoice.

VA Generic Name

A name given to an item (drug, supply, etc.) in pharmacy files. It is this name which is matched with the entry in the GENERIC NAME field (#.01)of the local DRUG file.

VA Product Name

The unique name assigned to each drug product. This name includes strength, unit, and dosage form.

VISTA

Veterans Health Information Systems and Technology Architecture.

Ward/Location (for percentage)

The name of the Medical Administration Service (MAS) location that is served partially or totally by an Area of Use. This field will generally be used for reporting purposes. If the AOU is not composed of any ward, enter "^" <ENTER> at the "Ward/Location (for percentage)" prompt.

16. Index

A

C

D

E

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